



COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

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P.O. BOX 1460
ALHAMBRA, CALIFORNIA 91802-1460

May 26, 2005

IN REPLY PLEASE

REFER TO FILE: **AS-0**

The Honorable Board of Supervisors
County of Los Angeles
383 Kenneth Hahn Hall of Administration
500 West Temple Street
Los Angeles, CA 90012

Dear Supervisors:

INJECTION WELL REDEVELOPMENT SERVICES SUPERVISORIAL DISTRICT 4 3 VOTES

IT IS RECOMMENDED THAT YOUR BOARD:

1. Find that the contract work is exempt from the provisions of the California Environmental Quality Act (CEQA).
2. Award the contract for "Injection Well Redevelopment Services" to Layne Christensen Company, located in Fontana, California, for the sum of \$468,176 in the first contract year; \$525,000 in the first option year; and \$540,000 in the final option year. This contract will be for a term of one year commencing upon Board approval, with two 1-year renewal options, not to exceed a total of three years. Funds are available in the Public Works' Flood Control District Fund.
3. Delegate authority to the Acting Director of Public Works to expend up to \$31,824 for unforeseen additional work within the scope of work of the contract if required during the first contract year and up to 20 percent of the annual contract sum for additional work during each of the option years.
4. Authorize the Acting Director to execute this contract; to renew it for each renewal option, if, in the opinion of the Acting Director, renewal is warranted; or to terminate it, if, in the opinion of the Acting Director, it is in the best interest of the County to do so.

PURPOSE/JUSTIFICATION OF RECOMMENDED ACTION

This contract is for part-time and intermittent injection well redevelopment services to restore the maximum performance of the injection wells within Los Angeles County. The work to be performed consists of performing chemical treatment and mechanical redevelopment on a series of wells, treating the wastewater, and obtaining necessary documentation to confirm the redeveloped injection wells meet Public Works standards.

Implementation of Strategic Plan Goals

The award of this contract is consistent with the County Strategic Plan Goals of Service Excellence and Organizational Effectiveness, as the contractor has the specialized expertise to provide this service accurately, efficiently, timely, and in a responsive manner.

FISCAL IMPACT/FINANCING

This contract will commence upon Board approval for a period of one year. With the Board's delegated authority, the Acting Director may renew this contract for a total contract period not to exceed three years. This contract is for a first-year sum not to exceed \$468,176, plus \$31,824 for unforeseen, additional work within the scope of work of the contract. During the first option year (second contract year) the annual sum will increase to \$525,000, and \$540,000 in the final option year, plus up to 20 percent of the annual contract sum in each option year for unforeseen additional work within the scope of work. These amounts are based on the unit prices quoted by the contractor and Public Works' estimated utilization of the contractor's services.

First-year financing for this service is included in the Public Works' 2004-05 Flood Control District Fund.

This contract allows a cost-of-living adjustment for the two optional years in accordance with County policy established by the Chief Administrative Office.

FACTS AND PROVISIONS/LEGAL REQUIREMENTS

Prior to the Acting Director executing this contract, which is substantially reflected in Enclosure A, the contractor will sign. County Counsel has reviewed this contract as to form.

Public Works has evaluated and determined that the Living Wage Program (Los Angeles County Code Chapter 2.201) does not apply to this recommended contract which is for services required on a part-time and intermittent basis.

Because funding available during the first contract year is limited, the project as originally planned was scaled back from 28 wells to 19 wells, with additional redevelopment to take place in the option years.

ENVIRONMENTAL DOCUMENTATION

This service is categorically exempt from the CEQA as specified in Class 1, Section C, of the Environmental Document Reporting Procedures and Guidelines adopted by your Board on November 17, 1987, Synopsis 57.

CONTRACTING PROCESS

On April 14, 2005, Public Works solicited proposals from 65 independent contractors and community business enterprises to accomplish this work. Also, a notice of the Request for Proposals (RFP) was placed on the County's bid website (Enclosure B) and an advertisement was placed in the Los Angeles Times.

On April 28, 2005, two proposals were received. The proposals were first reviewed to ensure they met the mandatory requirements outlined in the RFP. Having met these requirements, the two proposals were then evaluated by an evaluation committee consisting of Public Works staff. The committee's evaluation was based on criteria described in the RFP which included price, work plan, references, experience, and equipment. Based on this evaluation, it is recommended that this contract be awarded to Layne Christensen Company.

Enclosure C reflects the proposers' minority participation. The contractor was selected upon final analysis and consideration without regard to race, creed, gender, or color.

This contract contains Board-approved contract terms and conditions regarding employee notification of the Federal-earned income tax credit, contractor responsibility and debarment, jury service requirements, no payment for services received after contract expiration or termination, the Safely Surrendered Baby Law, and the services contract solicitation protest policy.

The Honorable Board of Supervisors
May 26, 2005
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Proof of the required Comprehensive General and Automobile Liability insurance policies, naming the County as additional insured, and evidence of Workers' Compensation insurance will be obtained from the contractor before any work is assigned.

As requested by your Board, the contractor has submitted a safety record that reflects that activities conducted by the contractor in the past have been according to reasonable standards of safety.

In accordance with the Chief Administrative Officer's June 15, 2001, instructions, this is Public Works' assurance that this contractor will not be requested to perform services which will exceed the contract's approved amount, scope of work, and/or terms.

IMPACT ON CURRENT SERVICES (OR PROJECTS)

The award of this contract will not result in the displacement of any County employees, as this service is presently contracted with the private sector.

CONCLUSION

One approved copy of this letter is requested.

Respectfully submitted,

DONALD L. WOLFE
Acting Director of Public Works

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cc: Chief Administrative Office
County Counsel

SAMPLE AGREEMENT FOR
INJECTION WELL REDEVELOPMENT SERVICES

THIS AGREEMENT, made and entered into this ____ day of _____, 2005, by and between the County of Los Angeles, a subdivision of the State of California, a body corporate and politic, hereinafter referred to as "County," and Layne Christensen Company, a corporation, hereinafter referred to as "Contractor."

WITNESSETH:

FIRST: The Contractor, for the consideration hereinafter set forth and the acceptance by the Board of Supervisors of said County of the Contractor's Proposal filed with the County on April 28, 2005, hereby agrees to provide services as described in the attached specifications for Injection Well Redevelopment Services, including but not limited to Exhibit A, Scope of Work.

SECOND: This Agreement, together with Exhibit A, Scope of Work; Exhibit B, Service Contract General Requirements; Exhibit C, Injection Well Location Map; Exhibit D, List of Injection Wells for Redevelopment and Construction Data; Exhibit E, NPDES Permits and Discharge Location Maps; Exhibit F, Los Angeles County Seawater Barrier Daily Redevelopment Data Sheet; Exhibit G, Internal Revenue Service Notice 1015; Exhibit H, Safely Surrendered Baby Law Posters; Addenda to the Request for Proposals; and the Contractor's Proposal, all attached hereto, are incorporated herein, and are agreed by the County and the Contractor to constitute an integral part of the Contract documents.

THIRD: The Contractor and County hereby agree that the number of injection wells required to be redeveloped is reduced from 28 wells to 19 wells, and the number of optional wells to be redeveloped is increased from 49 wells to 58 wells in order to not exceed the amount available for this Contract. The remaining 58 wells will be redeveloped in the first and second option years in accord with the unit cost quoted in Form PW-2, Schedule of Prices and the amount available in this Contract for those years. These changes supersede the number of wells listed on Exhibits A and D as required and optional redevelopment.

FOURTH: The Contractor shall bill monthly, in arrears, for the work performed during the preceding month. Work performed shall be billed at the unit cost (linear feet of screen) as quoted in Form PW-2, Schedule of Prices.

FIFTH: This Contract's initial term shall be for a period of one year commencing upon Board approval. At the discretion of the County, this Contract may be extended in increments of one year, not to exceed a total Contract period of three years. The County, acting through the Acting Director, may give a written notice of intent to extend this Contract at least 30 days prior to the end of each term. In addition, upon notice of at least 30 days, the Acting Director may extend the final Contract term on a month-to-month basis, not to exceed a total of six months, for the convenience of the County. This Contract may

be canceled or terminated at any time by the County, without cause, upon the giving of at least 30 days' written notice to the Contractor.

SIXTH: Public Works will make payment to the Contractor within 30 days of receipt of a properly completed invoice. Each invoice shall be in triplicate (original and two copies) and shall include, but not be limited to this Contract's name and number and itemize by facility. The invoices shall be submitted to:

County of Los Angeles
Department of Public Works
Attention Fiscal Division, Accounts Payable
P.O. Box 7508
Alhambra, CA 91802-7508

SEVENTH: In no event shall the aggregate total amount of compensation paid to the Contractor exceed the amount of compensation authorized by the Board. Such aggregate total amount is the Maximum Contract Sum.

EIGHTH: The Contractor understands and agrees that only the designated Public Works Contract Manager is authorized to request or order work under this Contract. The Contractor acknowledges that the designated Contract Manager is not authorized to request or order any work that would result in the Contractor earning an aggregate compensation in excess of this Contract's Maximum Contract Sum.

NINTH: The Contractor shall not perform or accept work requests from this Contract Manager or any other person that will cause the Maximum Contract Sum of this Contract to be exceeded. Contractor shall monitor the balance of this Contract's Maximum Contract Sum. When the total of the Contractor's paid invoices, invoices pending payment, invoices yet to be submitted, and ordered services reaches 75 percent of the Maximum Contract Sum, the Contractor shall immediately notify the Contract Manager in writing.

TENTH: The Contractor shall have no claim against the County for payment of any money or reimbursement of any kind whatsoever for any service provided by the Contractor after the expiration or other termination of this Contract. Should the Contractor receive any such payment, it shall immediately notify the County and shall immediately repay all such funds to the County. Payment by the County for services rendered after expiration or other termination of this Contract shall not constitute a waiver of the County's right to recover such payment from the Contractor. This provision shall survive the expiration or other termination of this Contract.

ELEVENTH: The Director shall adjust the rate of compensation set forth in Form PW-2 (Schedule of Prices) annually based on the increase or decrease in the U.S. Department of Labor, Bureau of Labor Statistics', All Urban Consumers Price Index for the Los Angeles-Riverside-Orange County Area (CPI). The contract anniversary date shall be the effective date for any such cost-of-living adjustment. The percentage change in the rate of compensation shall equal 12 times the average monthly change in the CPI over the first

IN WITNESS WHEREOF, the County has, by order of its Board of Supervisors, caused these presents to be subscribed by the Acting Director of Public Works, and the Contractor has subscribed its name by and through its duly authorized officers, as of the day, month, and year first written above.

COUNTY OF LOS ANGELES, ACTING AS
THE GOVERNING BODY OF THE
LOS ANGELES COUNTY FLOOD
CONTROL DISTRICT

By _____
Acting Director of Public Works

APPROVED AS TO FORM:

RAYMOND G. FORTNER, JR.
County Counsel

By _____
Deputy

LAYNE CHRISTENSEN COMPANY

By _____
Its President

By _____
Its Secretary

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SCOPE OF WORK

INJECTION WELL REDEVELOPMENT SERVICES – WEST COAST BASIN
SEAWATER BARRIER PROJECTA. Public Works' Contract Manager

Public Works' Contract Manager will be Mr. William Saunders of our Water Resources Division, who may be contacted at (626) 458-6187, or at wsaunder@ladpw.org, Monday through Thursday, 7 a.m. to 5 p.m. The Contract Manager is the only person authorized by Public Works to request work of the Contractor. From time to time, Public Works may change the Contract Manager. The Contractor will be notified in writing when there is a change in Contract Manager.

B. Work Location

There are a total 153 injection wells at the West Coast Basin Seawater Barrier Project (WCBBP). There are 77 injection wells currently operating. There are 28 injection wells that are to be redeveloped in this contract as a required task, whereas the remaining 49 wells will be redeveloped as optional tasks. Optional tasks shall not be conducted without the Agency's prior approval on such services on a specific list of wells. Injection well locations are shown in **Exhibit C**. Required and optional injection wells to be redeveloped and original well construction data are shown in **Exhibit D**.

C. Background

The County of Los Angeles Department of Public Works (Agency) currently operates three seawater intrusion barriers: Alamitos Barrier Project, Dominguez Gap Barrier Project, and West Coast Basin Barrier Project (WCBBP). WCBBP is the largest barrier consisting of 9 units with 153 injection wells. Typical casing materials for the injection wells are carbon steel, asbestos cement or stainless steel.

After initial development of a well when first constructed, clogging during its operation makes additional redevelopment necessary. The clogging is believed to result from a combination of buildup of materials brought in by the injected water and/or simultaneous or subsequent chemical changes of these particles. Also, clogging can be the result of bacteria growth.

The Agency has an ongoing program to redevelop injection wells to recover and maintain injection well capacity (performance) through well redevelopment. The Agency's past experience has resulted in many methods to improve the redevelopment procedures to achieve the most economic and effective results.

These are some of the past methods used in redevelopment of wells; bailing, swabbing, surging, pumping, airlift pumping, and jetting.

The current method used by the Agency consists of two general procedures, chemical treatment using either acid or chlorine followed by swabbing, surging, and airlift pumping. Details of this method are described in Part 3 of the Scope of Work.

The wastewater from the redevelopment is regulated by existing NPDES permits. The Agency is the permittee of these state permits. The permits regulate the water quality that can be discharged into the local storm drains. The wastewater air-lifted to the surface from the well casing is processed through a mobile water treatment facility that consists of a series of two tanks. These tanks are used to adjust chemical levels and to remove suspended solids found within the well-head effluent, also the tanks allow the Agency to monitor the wastewater closely and adjust the quality to assure compliance with NPDES permits prior to discharge into the storm drain. The wastewater from the redevelopment is typically discharged to the local storm drains through catch basins or channel locations where designated in compliance with NPDES permits. The water quality of the effluent discharged from mobile treatment facility to the local storm drain is monitored and documented for permit reporting purposes.

D. Objective

The objective of this work is to restore the maximum performance of the injection wells of the WCBBP by conducting necessary redevelopment.

The specific objectives are as follows:

1. Perform chemical treatment and mechanical redevelopment on a series of WCBBP injection wells designated by the Agency . The method used to perform this objective is detailed in Part 3 of the Scope of Work.
2. Treat the wastewater associated with the treatment and redevelopment of the WCBBP wells to comply with conditions of the NPDES permits prior to the discharge into storm drains. The NPDES permits are shown in **Exhibit E**.
3. Obtain the necessary documentation to confirm that the wells specified have been redeveloped to Agency standards and the associated wastewater discharged into the area storm drains meet existing permit requirements.

E. Work Description

The tasks below are provided as a guide to achieve the objectives stated in Section 2. The Contractor shall obtain, review, organize, and incorporate any

information related to the well treatment and redevelopment work required. The services to be performed by the Contractor shall follow but not necessarily be limited to the items of work outlined below. The Contractor shall recommend work items not listed or any other changes, if they are believed to better suit the objectives. Any deviation from the redevelopment method will require Agency approval.

1. PREPARATION FOR REDEVELOPMENT

Notifications:

Prior to the redevelopment of an injection well, the following notifications shall be given:

- a. Two weeks' notice to the Agency requesting that wells targeted for development be shut off and the Agency disassemble the well head. No more than three (3) wells will be disassembled and placed out of operation at any time. Any redevelopment equipment placed at the site cannot interfere with equipment necessary to disassemble the well.

As described in the paragraph above, the Agency will disassemble the well head to the base plate once notification from the Contractor is received. The Contractor shall be responsible for removing the base plate which covers the well casing and any equipment attached from below such as eductor pipe, well measuring tubes, and pneumatic packers.

- b. Three days' notice to the local police department that "No Parking" signs are being posted. "No Parking" or any other necessary signs will be posted when the parking area of the street will be required to complete the well redevelopment around the well to be redeveloped to secure minimum work area and notify the home owners directly impacted by the operations at least one week before the start. The contractor shall comply with all local regulations regarding the posting of "No Parking" signs.
- c. One weeks' notice to home owners directly impacted by the redevelopment work. Any driveways to be blocked must be approved by the Agency prior to commencement of redevelopment work.
- d. In the event that a traffic lane closure is necessary to complete the work, the Contractor shall follow all local regulations regarding such matters at each well location where a lane closure is necessary prior to redevelopment to ensure the safety of his employees,

pedestrians, commuters and residents. Traffic control plans will be made available to the Agency upon request.

- e. Prior to chemical pretreatment and redevelopment, a well water grab sample shall be taken from within the well and analyzed for constituents required to be monitored by the existing NPDES permit. The results from this analysis shall be made available to the Agency prior to redevelopment upon request. The Agency will be notified immediately of samples which do not meet permit requirements.

2. REDEVELOPMENT OF INJECTION WELLS

2.1 General Work Description

This section covers the work necessary to:

- a. Provide, install, and remove any equipment and appurtenances for redevelopment of the injection wells.
- b. Treat the injection wells either by glycolic acid or by shock chlorination depending on the casing materials.
- c. Conduct well redevelopment using surge block (swabbing) and airlift pumping.
- d. Provide, setup, operate, and remove water treatment system(s). Dispose of all wastewater generated during well redevelopment by surface discharging into the storm drain or by hauling to proper disposing locations.

Specific tasks not completely described in this section that are necessary or normally required as part of the redevelopment work described shall be performed by the Contractor as incidental work without extra cost to the Agency, as if fully described in this section. The expense of such work shall be included in the applicable price bid.

Redevelopment of the injection wells shall include the removal of the base plate and any equipment attached to the base plate from below such as eductor pipe, well measuring tubes, and pneumatic packers. Pneumatic packers on a number of required and optional injection wells exist. Upon completion of the redevelopment, the contractors shall be responsible to replace the equipment that was removed by them.

2.2. Materials and Equipment

a. General:

Provide all temporary and permanent materials, equipment, and labor required to accomplish the work as specified.

b. Swab and Airlift Development Equipment

The Contractor shall furnish airlift pumping equipment, discharge piping, valves, settling tanks, holding tanks, swabs, eductor pipe, a suitable drilling rig, and air-compressor and other such equipment necessary to redevelop the wells and dispose of development water in accordance with the scope of work.

The eductor pipe and air line or airlift pumps shall be such that they can be installed in the casing of the well to be redeveloped. The eductor pipe shall have adequate clearance and a 1-foot piece at the end to affect air dispersion into the water.

The equipment furnished shall have the capacity to deliver up to 300 gallons of water per minute at the ground surface.

Sufficient length of air line and eductor pipe shall be available to reach the bottom of the deepest well to be developed.

The equipment shall be such that it can be raised and lowered a minimum stroke length of 5 feet while airlift pumping is in progress.

c. Double Flanged Swab

Surging shall be done with a surge block consisting of two swabs that have an outside diameter not be more than 1 inch smaller than the inside diameter of the screen section. The swabs shall consist of two, nominal 12-inch diameter 1/4-inch thick rubber discs alternating between four 11-inch diameter steel discs capable of being fastened to the 4-inch eductor pipe. The bottom end of the eductor pipe shall be fitted with two swabs spaced 10 feet apart. The eductor pipe shall be closed on the bottom and perforated between the swabs. The perforations shall be a 1/2-inch wide, 4 inches long, four to each round, and the rounds shall be 2 feet apart.

The air line suspended inside the eductor pipe shall be a standard galvanized steel pipe, a minimum of 1-1/4 inches in diameter and closed at the bottom. The lowest 3 feet of the air line shall be perforated by holes 1/8 inch in diameter and a maximum of 3 inches apart.

The air line connection, method of suspension of airlift pump, and connection of discharge line shall provide for quick and easy addition of the lengths of eductor pipes as required. A quick opening valve shall be conveniently located in the air line from the air compressor to permit intermittent surging of the well by interrupting the air supply from the pump.

d. Airlift Pumping Discharge Line

The size and length of the discharge line shall be compatible with the airlift pump. The discharge of the airlift pump shall be directed into the settling tank such that samples can be obtained and visual observation made. The discharge from the pump shall be open to the atmosphere permitting the column of water in the eductor pipe to flow back into the well during surging.

e. Redevelopment Effluent Storage Tanks

The Contractor shall provide closed-top storage tanks in the vicinity of the well sufficient to contain and treat the wastewater generated by the redevelopment operations. In addition, The Contractor shall provide a adequate number of 20,000 gallon "Baker" type tanks to treat the well head discharge. Each storage tank shall be given a numeric designation, labeled with solids accumulation start date, the well the effluent was generated from, and date the storage tank was sampled. The storage tanks shall not stay at each location more than 30 calendar days.

f. Chlorine, Acids, or Other Chemicals

Only liquid sodium hypochlorite shall be used to produce the chlorine solution. All chemicals such as glycolic acid to be introduced into the wells shall be based on the casing materials. The solution strengths shall be proposed by the contractor and approved by the Agency prior to use. The Contractor may propose different chemicals to improve the quality of the redevelopment without damaging the well casing or aquifer

materials. Any alternative chemicals must be approved by the Agency.

g. Flow Measuring Equipment

The Contractor shall provide equipment for making accurate measurements of the wastewater discharged daily into the storm drain. Measurement may be by weir, orifice, meter, or a tank for volume-time measurement from which the flow rate may be computed.

h. Guards and Shields

If necessary, the Contractor shall provide adequate guards and shields to protect the public, surrounding improvements, and personnel taking measurements against unnecessary risk and exposure to the splash and spray of water.

If necessary, the Contractor shall provide ladders, railings, and platforms, which will meet Cal/OSHA safety requirements. These are subject to approval by the Agency.

2.3 Procedures

2.3.1 General.

The Agency standard execution of redevelopment work generally occurs in the following sequence, using, but not limited to, the listed methods:

- a. Air lift to remove any fill in the well casing bottom.
- b. Pre-treat the well by introducing chemical solution such as chlorine or glycolic acid into well, let stand, and remove.
- c. Swab and air lift development; alternate, Agency-approved methods, may include jetting.

The redeveloping of each well shall consist of cleaning and opening the casing perforations and the outside gravel pack material adjacent to the perforations by a combination of air-lift pumping, swabbing, and the Agency approved alternative.

The cleanout data desired will consist of the rate of discharge, comparative estimates of size and amounts of solids removed for each interval of perforations and the time required to airlift each interval to obtain a clear discharge.

Equipment introduced into the wells by the Contractor shall not cause damage to the well casing or screen and will be removed at the conclusion of redevelopment.

If it appears that continued redevelopment will not be beneficial or might endanger the stability of the well, the contractor shall notify the Agency immediately. At its discretion, the Agency may direct the Contractor to discontinue redevelopment and proceed to the next well scheduled.

Should the Contractor feel that continued development of a certain perforated interval of the perforations will endanger the structural stability of the well, he shall cease the operations and shall so inform the Agency. The Contractor will at all times be responsible for the performance of the Work under this Contract.

The mud, silt, sand, and other sediments removed from the well during the development operations and from the bottom at the conclusion of the development shall be confined within a reasonably small area at the drilling site and disposed of at any legally approved dump. No additional compensation will be due to the Contractor for the disposal of non-contaminated material.

Upon completion of pumping of the well to the satisfaction of the Engineer, the development equipment shall be removed and the well and tremies cleaned of all mud, sand, sediment, and residue to the full depth of the casings.

2.3.2 Chemical Pre-treatments

Each well needs to be pre-treated by chlorination or glycolic acid treatment depending on the casing material. Only stainless steel and PVC casings shall be treated by the glycolic acid and carbon steel and asbestos cement casings shall be treated by chlorination.

The Contractor shall record the volume, type, brand, concentration, and manufacture date of all chemicals used.

All chemicals shall have certified manufactured dates noted on the shipping manifest.

The Contractor shall maintain a copy of the health and safety plan at the job site, including the Materials Safety Data Sheets (MSDS). It is the Contractor's responsibility to ensure that employees working at the site during chemical treatment are qualified to work with the chemicals used. It is the Contractor's responsibility to ensure that all necessary safety equipment is on site. Such equipment may include, but is not limited to, proper respirators, latex gloves, rubber boots, tyvex coveralls, goggles, and eyewash and shower.

The Contractor shall provide suitable transfer pumps and agitators necessary to accurately prepare and inject the chemicals. Transfer pumps shall be capable of generating a minimum of 50 psi while injecting chemicals into the well.

Prior to introducing the chemical solution into a well, the Contractor shall remove all of the sediments from the well to permit the chemicals to react with the entire range of the well screen.

The approved chemical solution shall be injected and continuously surged over 20-foot screened intervals, starting at the top of the screen and moving downward. The total volume of chemical solution prepared shall be evenly distributed over the entire screened interval. The volume of chemical solution injected into each 20-foot screened section shall be proportional to the total volume to be injected over the entire screened interval. During injection, the chemical solution shall be continuously surged over the 20-foot interval for a minimum of 15 minutes before moving to the next section. The injection and surging shall be performed in a continuous operation of not more than 12 hours until complete.

After completion of injection and surging, the chemical solution shall be left to stand in the well for a minimum of 12 hours (e.g., overnight). After 12 hours or longer, the chemical solution shall be removed by airlift pumping through a 10-foot section of perforated pipe with two tight fitting swabs at each end. The swabs shall have an outside diameter not less than 1/8 of an inch smaller than the I.D. of the well screen. During airlift pumping, the entire screened interval of the well will be continuously surged in 20-foot

increments. Each 20-foot section will be continuously surged and airlift pumped for a minimum of 15 minutes. This period may be extended or shortened at the discretion of the Agency based on the condition of the discharge water. Airlift pumping and surging will continue until the entire screened interval has been surged at least one time.

The Contractor shall discharge the wastewater to temporary holding tanks prior to disposal. Residual chlorine and glycolic acid shall be neutralized by addition of sodium metabisulfite and soda ash (Sodium Carbonate) respectively into the discharge line after it is removed from the well and before discharge. Residual chemicals must be below the limits set by the projects' NPDES permits prior to disposal.

a. Acid Treatment

Pump 8 gallons of glycolic acid 70% and 120 gallons of water into the swab assembly through the eductor pipe for every 20-foot length of well screen. This is a 1 to 15 dilution of acid/water. Stronger solutions can be proposed for review and approval by the Agency.

b. Chlorination

The sodium hypochlorite must be delivered to the site in original closed containers bearing the original label indicating the percentage of available chlorine and date of manufacture. The sodium hypochlorite shall not be more than 2 weeks old.

The Contractor shall prepare a solution of 2,000 ppm residual chlorine by mixing a concentrated solution of sodium hypochlorite and water in suitable mixing tanks. The volume of solution prepared shall be equal to two times the volume of water in the well from the static water level to the total depth of the well. Unlined steel tanks shall not be used for mixing. Alternative solution methods can be proposed for review and approval by the Agency.

The Contractor shall measure the free chlorine residual with an Agency-approved field test kit to verify compliance with the specifications.

The gravel pack shall be treated by injecting chlorine solution into the gravel feed tube until the chute will no

longer take water or until the volume of chlorine solution injected equals the total volume of the gravel pack.

2.3.3 Swabbing and Airlift Development.

a. Swabbing

The well redevelopment procedure shall consist of swabbing and airlift pumping as approved by the Agency, followed by high velocity water jetting with simultaneous airlift pumping. Swabbing and airlift redevelopment shall commence no more than 24 hours after chemical treatment of the well. If swab and airlift redevelopment is not commenced within 24 hours of the chemical treatment, then the Contractor will conduct, without charge, swab and airlift development for the length of time between the chemical treatment and the time that swabbing and airlift redevelopment was initiated, in addition to normal redevelopment time.

The double flanged swab shall be installed with the upper swab opposite the top perforations. The double flanged swab shall be lifted and lowered operated at a rate of 6 to 10 cycles per minute. The double flanged swab shall operate on 10-foot increments of the screen interval. The double flanged swab shall be operated for a period of 20 minutes at each 10-foot section of screen.

Sounding and airlift pumping shall be done to remove all waste and debris from the well. The effluent settleable solids loading after each 10-foot interval shall be less than **20 ppm** before moving to next interval. After this criteria is met, the next interval shall be redeveloped as before until complete.

Settleable solid measurements shall be made with an Imhoff Cone after each screened interval is developed and before development is started on the next screened interval.

b. Airlift Pumping.

At the Agency's discretion, depending on site characteristics and results of water quality testing, redevelopment by airlift pumping may replace swabbing operations. The following airlift pumping procedure shall be followed by the Contractor after swabbing:

The airlift pumping equipment shall be installed in the casing with the bottom of the air line/eductor pipe adjacent to either the top or the bottom slots of the perforated casing. If sufficient submergence is not obtained with the air line set adjacent to the top of the perforations, the highest possible setting shall be used. A 5- to 10-foot interval of the perforations shall then be developed by moving the air line up and down within the interval, and the air supply shall be varied to cause surges within the well.

After settleable solids being airlifted to the surface have dropped below 20 ppm during redevelopment of one interval of the perforations, the air line/eductor pipe shall be raised or lowered and the same procedure followed until all the perforations have been redeveloped.

The well shall then be cleaned to the full depth and pumped with the air line/eductor set at a submergence for efficient airlift pumping. The well shall be pumped at up to approximately 300 gallons per minute until the water has cleared to the satisfaction of the Agency (settleable solids loading after each interval less than **20 ppm**).

Settleable solid measurements shall be made with an Imhoff Cone after each screened interval is developed and before development is started on the next screened interval.

The Contractor shall run clean water continuously down the gravel feed tube during surging and airlift pumping and add gravel as needed to maintain the tube full.

Upon completion of the pumping, the well shall be cleaned of all sand and sediment of its full depth.

2.3.4 Disposal of Pumped Water

a. General

The Contractor shall treat the wastewater and conduct all testing required by the NPDES permits (**Exhibit E**) to determine the disposal method. If the water cannot be disposed of in the storm drain/channel, it shall be transported and disposed of by the Contractor at a legal point of disposal, approved by the Agency.

The Agency, as a NPDES permittee, is subject to enforcement actions by the Regional Water Quality Control Board. The Agency will assess the Contractor a penalty of \$1,000 for each calendar day that the Contractor has failed to meet the existing permit requirements and/or is otherwise in noncompliance with these provisions. In addition, the Agency will deduct, from the monthly payment due the Contractor, the total amount of any fines levied on the Agency, plus legal and staff costs, as a result of the Contractor's lack of compliance with these NPDES permits.

The Contractor shall provide a temporary storage tank site and several 20,000 gallon "Baker" type tanks. All redevelopment water that will not be discharged to the surface on a continuous basis shall be stored in these covered tanks near each well site until the Contractor can test the water to determine the appropriate type of disposal. The Contractor shall anticipate the covered tanks may be stored at a suitable location for up to 30 calendar days to allow for water quality testing and disposal.

All costs associated with temporary covered redevelopment water storage and treatment at the sites shall be considered as included in the contract price bid.

Clean and adequately treated redevelopment water shall be disposed of through closed conduits at the location described in the Effluent Discharge Table herein below or to other locations as required and approved by the Agency. All costs for providing covered water storage tanks and closed conduits at each well site and for trucking and/or discharging the redevelopment water at the locations included in the NPDES permits (**Exhibit E**) shall be included in the unit price bid.

The Contractor shall be responsible for the control of the water over the entire flow route. Any materials deposited in non-designated areas shall be removed and hauled away at Contractor's expense. Areas upon which such materials have been deposited shall be cleaned to the satisfaction of the Agency.

b. Redevelopment Water

All redevelopment water shall be temporarily contained in appropriate containers, such as "Baker" type tanks or

approved equal, treated to below levels prescribed in the attached NPDES permits and discharged.

The Contractor shall maintain and operate a water treatment system prior to disposal. The treatment system may use any combination of tanks, treatment chemicals (flocculants) and/or separation baffles necessary to provide treatment at a sustained rate of up to 750 gpm for intermittent periods to avoid stopping of development operations due to insufficient treatment capacity.

The Contractor may, at his own expense, reduce turbidity levels in the discharged water by blending the water with potable water.

c. Discharge Pipelines

The water discharged during well redevelopment that meets the permit requirements shall be disposed of via temporary pipelines, and supplemental pumps as necessary, provided by the Contractor. The length and required capacity of pipeline varies for each well and the designated point of discharge.

The pipelines and pumps shall have sufficient capacity to convey 750 gpm from the well sites to the designated point of discharge for each well and at rates sufficient to prevent intermittent operation.

It is the Contractor's responsibility to prevent the discharge from discoloring, damaging or eroding the site, drainage channel, or other surface conveying the discharge water from the site to the designated point of discharge.

The temporary pipelines shall be located so they do not interfere with traffic or other work being conducted around the well sites. If necessary, the pipelines shall be clearly marked with flashing markers every 50 feet to alert vehicles and the general public moving in the area.

The treatment system for the recharge wells shall not interfere with maintaining continuous redevelopment operation.

Effluent from the treatment system shall be discharged to the designated drainage channel via temporary pipeline in

accordance with NPDES limitations. The Contractor shall supply hoses or other temporary pipelines to direct the effluent discharge. The NPDES permits shown in **Exhibit E** refer to specific discharge location from each injection well redevelopment. The maps showing the discharge points and corresponding injection wells are also included in the NPDES permits.

3. AFTER REDEVELOPMENT

3.1 General:

Upon completion of all necessary procedures for the well redevelopment including the waste disposal, the Contractor shall request the Agency to reassemble the well head to return to normal injection operation.

3.2 Submittals:

At the close of each work week, the Contractor shall submit to the Agency the following information in a format approved by the Agency:

- a. All well redevelopment records.
- b. Depth to the bottom of the well to ensure all sediments have been removed and the bottom of the well is at its constructed depth.
- c. All information regarding the type of pumping equipment used, including engines, drive components, bowls, lines, and shafts.
- d. All data related with the onsite wastewater treatment including names and amount of chemicals used and feed rates.
- e. All on-site monitoring data required of the NPDES permits including: pH, residual chlorine, settleable solids, temperature, turbidity and the daily volume of the discharged wastewater (Gallon/Day) in a daily data sheet.
- f. Approved chain-of-custody form(s) for all laboratory analyses for total suspended solids, BOD⁵, and acute toxicity and their analysis results as directed by the NPDES permits.

- g. If applicable, copies of CONTRACTOR-signed manifests to accompany waste material to be disposed of at approved off site facilities.
- h. Approved chain-of-custody form(s) demonstrating compliance with federal, state, and local laws, regulations, and ordinances related to disposing of materials generated during well redevelopment.
- i. Provide the latest calibration records for all field equipment used per manufacturer's recommendation.

4. UNFORESEEN CONDITIONS

The contractor shall conduct all redevelopment work using the utmost care and caution while executing the required work within the contract. The contractor shall be responsible to repair any well or associated appurtenances damaged by the Contractor during prosecution of the scope of work.

In the event that unforeseen conditions occur during redevelopment such as a large amount of sediment running into the well indicating a possible break in the casing, a stuck tool, blockage, etc., the Contractor shall:

- a. Notify the Agency immediately of the unforeseen condition and remove all the tools from within the well if practical.
- b. Provide the Agency a cost estimate to further investigate the unforeseen condition and provide an assessment of the wells condition including:
 - A video of the length of the well.
- c. Upon approval of the Agency, proceed with the investigation or at the direction of the Agency, move on to the next well scheduled for redevelopment.
- d. If investigated, provide the Agency an assessment of the condition of the well, a copy of the well video, possible repair strategy and estimated cost to repair the injection well.
- e. Resume redevelopment if mutually agreed by the Contractor and the Agency.

F. WORK HOURS

Contractor shall plan and conduct work by considering local City and Community regulations.

G. SITE PROTECTION

Throughout the period of work, the Contractor shall provide all the safety protection necessary to protect the public and the workers, including but not limited to warning signs, and protective barriers.

1. At the end of each working day, the Contractor shall secure the well to prevent unauthorized access.
2. It is Contractors responsibility to return the worksite to its original condition prior to well redevelopment .

H. CONTAMINATION

Contractor shall at all times perform his operation in such a manner as to prevent the introduction of contaminants into the well. Equipment and other appurtenances shall be kept clean.

I. SAFETY REQUIREMENTS

1. Contractor shall provide and require the use of personal protective and lifesaving equipment for all persons working at the well site in accordance with the requirements of the OSHA and Cal/OSHA regulations.
2. Contractor shall maintain a copy of the health and safety plan at the well location, including the Materials Safety Data Sheet (MSDS). It is the contractor's responsibility to ensure that employees working at the well location during acid or any other chemical treatment are qualified and certified to work with the chemicals used. The Contractor shall ensure that all necessary safety equipment is on site. Such equipment may include, but not be limited to: proper respirators, rubber boots, tyvex coveralls, goggles, latex gloves, and pressurized eyewash and shower. None of the chemicals will be stored overnight at any well location.

J. AGENCY SUPPORT

The Agency will provide the following:

1. A list of the wells to be redeveloped and associated details.

2. A map for each unit of WCBBP shows the wells and the discharge points locations.
3. A copy of the latest NPDES permits for WCBBP, and inform the Contractor of any modifications.
4. Data related to the wells of the WCBBP, including injection well records, groundwater elevations, well and injection water supply details, aquifer characteristics, geologic logs and well maintenance and modification histories.
5. Related studies and reports conducted by the Agency, other agencies, or contract consultants.
6. Assistance to gain access to any field facility for the purpose of the redevelopment procedures.
7. Disassemble, remove the well head, disconnect well injection equipment, and store them in a designated location. Assemble, place the well head and reconnect the well injection equipment after the completion of the redevelopment of each well.
8. Obtain the required parking permits from the local agencies having jurisdiction at each well location.
9. Provide the Contractor with No Parking signs before the Contractor moves to any of the wells location.

K. BEST MANAGEMENT PRACTICES (BMPs)

Best Management Practices shall be defined as any program, technology, process, siting criteria, operating method, measure, or device which controls, prevents, removes, or reduces pollution. The Contractor shall obtain and refer to the California Storm Water Best Management Practice Handbooks, Volume 3 Construction BMP Handbook and the Los Angeles County Department of Public Works Best Management Practices Handbook for Construction Activities. These publications are available from:

County of Los Angeles
Department of Public Works
Cashier's Office
900 S. Fremont Avenue
Alhambra, CA 91803
Telephone (626) 458-6959

The Contractor shall have a minimum of two readily accessible copies of each publication on the Contract site at all times.

As a minimum, the Contractor shall implement the following applicable BMPs in conjunction with all its activities and construction operations:

NO. CONSTRUCTION PRACTICES

CD4(2) Water Conservation Practices

NO. MATERIAL MANAGEMENT

CD10(2) Material Delivery and Storage

CD11(2) Material Use

CD12(2) Spill Prevention and Control

NO. WASTE MANAGEMENT

CD13(2) Solid Waste Management

CD14(2) Hazardous Waste Management

NO. VEHICLE AND EQUIPMENT MANAGEMENT

CD18(2) Vehicle and Equipment Cleaning

CD19(2) Vehicle and Equipment Fueling

CD20(2) Vehicle and Equipment Maintenance

NO. VEGETATIVE STABILIZATION

CD23(2) Preservation of Existing Vegetation

NO. SEDIMENT TRAPPING

CD38(2) Sand Bag Barrier

Additional BMPs may be required as a result of a change in actual field conditions, contractor activities. When more than one BMP is listed under each specific BMP category, the Contractor shall select the appropriate and necessary number of BMPs within each category in order to achieve the BMP objective.

BMPs for contractor activities shall be continuously implemented throughout the year. BMPs for erosion control and sedimentation shall also be implemented prior to the commencement of any contractor activity or construction operation which may produce run-off, and whenever run-off from other sources may occur.

The Agency, as a permittee, is subject to enforcement actions by the State Water Resources Control Board, Environmental Protection Agency, and private citizens. The Agency will assess the Contractor a penalty of \$1,000 for each calendar day that the Contractor has not fully implemented the BMPs specified for the Contract and/or is otherwise in noncompliance with these provisions. In addition, the Agency will deduct, from the final payment due the Contractor, the total amount of any fines levied on the Agency, plus legal and staff costs, as a result of the Contractor's lack of compliance with these provisions and/or less than complete implementation of the specified BMPs.

Full compensation for the implementation of BMPs, including the construction, removal, and the furnishing of all necessary labor, equipment, and materials, shall be considered as included in the prices bid for the various items of work, or, if included as an item of work, in the lump sum price bid.

L. SUBMITTALS

1. After Award of Contract

After award of the contract, but prior to the commencement of any redevelopment work the Contractor should submit:

- a. A drawing and description indicating the equipment the contractor intends to use for redevelopment, including air line submergence tables, the minimum size of air compressor to be used, and its layout for Agency review and approval. The submittal should be clear enough to permit the Agency to determine if the equipment is adequate. Agency approval of the redevelopment plan shall not in any way relieve the Contractor of his responsibility to satisfactorily develop the wells and dispose of all development water and any other waste materials.
- b. A Wastewater Management Plan.

A Wastewater Management Plan (WMP) shall include details of the methods and procedures used for the generation, sampling, on-site management, transportation and disposal of all wastewater generated on the project.

The WMP shall identify the on-site and off-site disposal facilities. The Contractor shall treat the wastewater on-site for surface discharge in compliance with NPDES permits or shall transport the wastewater to an approved treatment/recycling facility site (approved by the Agency) permitted to accept this wastewater. The WMP shall include copies of all applicable current permits and waste

acceptance policy. Currently, 8 NPDES permits have been issued to regulate on-site surface discharge of the wastewater to storm drains. See **Exhibit E** for copies of the NPDES permits.

The WMP shall include methods and procedures for collection of well water samples prior to the start of redevelopment to demonstrate compliance with NPDES permit requirements for constituents to be tested prior to the start of redevelopment.

The WMP shall include a site map showing the location of each well and the location and anticipated number of storage tanks for each well. The site map shall be updated as the location or number of storage tanks change or as requested by the Agency.

It is anticipated that the water generated may contain varying concentration of solids. WMP shall include method and schedule of removing solids from the storage tank at regular intervals or as requested by the Agency.

The WMP shall include methods and procedures for the collection of wastewater samples from the tank in order to properly profile the water for either on-site or off-site disposal. The Contractor shall be responsible for collection and analysis of all samples required by NPDES permits or by the disposal facility.

For on-site disposal of the water, the WMP shall include diagram of proposed on-site wastewater treatment system adequate to allow simultaneous pumping, treatment and disposal during airlift pumping and swabbing redevelopment. The proposed wastewater treatment system can include settling tanks, commercially available granular activated carbon (GAC) water treatment unit(s), in an air stripper treatment unit, or other Agency-approved treatment unit as necessary to treat well redevelopment wastewater to below NPDES requirements at each well prior to discharge. The wastewater shall be completely treated before discharge, meeting all the sampling and water quality requirements of the NPDES permit.

- c. All MSDS and product data sheets for all chemicals used to redevelopment of the different types of injection well casing.

- d. A description of proposed field equipment to be used for measuring chemical concentrations required to comply with NPDES permits and manufacturer recommended calibration schedule for such equipment.

2. During Redevelopment

During the redevelopment work the Contractor should submit:

On a weekly basis, all Information required to substantiate compliance with existing RWQCB NPDES permits. The weekly information should be submitted on Agency-approved forms.

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SERVICE CONTRACT GENERAL REQUIREMENTS

SECTION 1

INTERPRETATION OF CONTRACT

A. Headings

The headings herein contained are for convenience and reference only and are not intended to define or limit the scope of any provision thereof.

B. Definitions

Whenever in the Request for Proposals, Contract, Specifications, Terms, Requirements, and Conditions the following terms are used, the intent and meaning shall be interpreted as follows:

Board. The Board of Supervisors of the County of Los Angeles and Ex-Officio Board of Supervisors of the Los Angeles County Flood Control District.

Contract. The written agreement covering the performance of the service and the furnishing of labor, materials, supervision, and equipment in the performance of the service. The Contract shall include the Specifications, together with any special provisions thereof. Included are all supplemental agreements amending or extending the service to be performed which may be required to supply acceptable services specified herein.

Contractor. The person or persons, partnership, joint venture, corporation or other entity who has entered into an agreement with the County to perform or execute the work covered by these Specifications.

Contract Work, Work. The entire contemplated work of construction, maintenance, and repair to be performed and services rendered as prescribed in the Specifications and covered by this Contract.

County. Includes County of Los Angeles, County of Los Angeles Department of Public Works, Los Angeles County Flood Control District, Los Angeles County Road Department, and/or Los Angeles County Engineer.

Director. The Director of Public Works, County of Los Angeles, as used herein, includes the Road Commissioner, County of Los Angeles; County Engineer, County of Los Angeles; Chief Engineer, Los Angeles County Flood Control District; and/or their authorized representative(s).

District. Los Angeles County Flood Control District, County of Los Angeles Department of Public Works, County of Los Angeles Sewer Maintenance Districts, and/or County of Los Angeles Waterworks Districts.

Proposal. The written instrument which a Contractor submitted in conformance with the solicitation document (Request for Proposals).

Proposer. Any individual, firm or corporation submitting a priced Proposal for the work, acting directly or through a duly authorized representative.

Public Works. County of Los Angeles Department of Public Works.

Solicitation. Request for Proposals or Request for Quotation.

Specifications. The directions, provisions, and requirements contained herein, as supplemented by such special provisions as may be necessary pertaining to method, manner, and place of performing the work under this Contract.

Subcontract. An agreement to employ a Subcontractor; to employ or agree to employ a Subcontractor.

Subcontractor. Persons, companies, corporations, or other entities furnishing supplies, services of any nature, equipment, or materials to the Contractor, at any tier under oral or written agreement.

C. Director to Interpret Contract

Should there be any uncertainty, ambiguity, or discrepancy in the terms or provisions hereof, or should any misunderstanding arise as to the interpretation to be placed upon any position hereof or the applicability of the provisions hereunder, the Director will be consulted. The Director's decision thereon will be final and conclusive.

SECTION 2

GENERAL CONDITIONS OF CONTRACT WORK

A. Labor

No person shall be employed on any work under this Contract who is found to be intemperate, troublesome, disorderly, or is otherwise objectionable to Public Works. Any such person shall be reassigned immediately and not again employed on Public Works' projects.

B. Public Convenience

The Contractor shall so conduct operations to cause the least possible obstruction and inconvenience to public traffic or disruption to the peace and quiet of the area within which the work is being performed.

C. Cooperation

The Contractor shall cooperate with Public Works' forces engaged in any other activities at the jobsite. The Contractor shall carry out all work in a diligent manner and according to instructions of the Director.

D. Care and Protection of Facilities

The Contractor shall recognize that any damage to Public Works' facilities from Contractor negligence shall, to Public Works' satisfaction, be repaired at the Contractor's expense. The Contractor shall be responsible for the security of any and all of Public Works' facilities in its care. The Contractor shall provide protection against vandalism, accidental, or malicious damage, both during working and nonworking hours.

E. Equipment, Labor, Supervision, and Materials

All equipment, labor, supervision, and materials required to accomplish this Contract, except as might be specifically outlined in other sections, shall be provided by the Contractor.

F. Permits/Licenses

The Contractor shall be fully responsible for possessing or obtaining any required permits/licenses from the appropriate Federal, State, or local authorities for work to be accomplished under this Contract.

G. Quality of Work

The Contractor shall provide the quality of work under this Contract which is at least equivalent to that which the Contractor provides to all other clients it serves.

All work shall be executed by experienced workers. All work shall be under supervision of a well-qualified supervisor. The Contractor also agrees that work shall be furnished in a professional manner and according to these Specifications.

H. Cooperation and Collateral Work

The Contractor shall perform work as directed by the Director. The Director will be supported by other Public Works' personnel in assuring satisfactory performance of the work under these Specifications and that satisfactory contract controls and conditions are maintained.

I. Authority of Public Works and Inspection

The Director will have the final authority in all matters affecting the work covered by this Contract's Terms, Requirement, Conditions, and Specifications. On all questions relating to work acceptability or interpretations of these Terms, Requirements, Conditions, and Specifications, the decision of the Director will be final.

J. Safety Requirements

The Contractor shall be responsible for the safety of equipment, material, and personnel under the Contractor's jurisdiction during the work.

K. Public Safety

It shall be the Contractor's responsibility to maintain security against public hazards at all times while performing work at Public Works' jobsites.

L. Work Area Controls

The Contractor shall comply with all applicable laws and regulations. The Contractor shall maintain work area in a neat, orderly, clean, and safe manner. The Contractor shall avoid spreading out equipment excessively. Location and layout of all equipment and materials at each jobsite will be subject to the Director's approval.

M. Transportation

Public Works will not provide transportation to and from the jobsite, nor travel around the limits of the jobsite.

N. Storage of Material and Equipment

The Contractor shall not store material or equipment at the jobsite, except as might be specifically outlined in other sections. Public Works will not be liable or

responsible for any damage, by whatever means, or for the theft of the Contractor's material or equipment from any jobsite.

O. Jobsite Safety

The Contractor shall be solely responsible for ensuring that all work performed under this Contract is performed in strict compliance with all applicable Federal, State and local occupational safety regulations. The Contractor shall provide at its expense all safeguards, safety devices and protective equipment, and shall take any and all actions appropriate to providing a safe jobsite.

P. Recycled-Content Paper Products

Consistent with Board policy to reduce the amount of solid waste deposited at the County landfills, the Contractor agrees to use recycled-content paper to the maximum extent possible under this Contract.

Q. Liquidated Damages

1. In any case of the Contractor's failure to meet certain specified performance requirements, the County may, in lieu of other remedies provided by law or the Contract, assess liquidated damages in specified sums and deduct them from any regularly scheduled payment to the Contractor. However, neither the provision of a sum of liquidated damages for nonperformance or untimely or inadequate performance nor the County's acceptance of liquidated damages shall be construed to waive the County's right to reimbursement for damage to its property or indemnification against third-party claims.
2. The amounts of liquidated damages have been set in recognition of the following circumstances existing at the time of the formation of the Contract:
 - All the time limits and acts required to be done by both parties are of the essence of the Contract;
 - The parties are both experienced in performance of the Contract work;
 - The Contract contains a reasonable statement of the work to be performed in order that the expectations of the parties to the Contract are realized. The expectation of the County is that the work will be performed with due care in a workmanlike, competent, timely, and cost-efficient manner, while the expectation of the Contractor is a realization of a profit through the ability to perform the Contract work in accordance with the terms and conditions of the Contract at the Proposal price;

- The parties are not under any compulsion to contract;
 - The Contractor's acceptance of the assessment of liquidated damages against it for unsatisfactory and late performance is by agreement and willingness to be bound as part of the consideration being offered to the County for the award of the Contract;
 - It would be difficult for the County to prove the loss resulting from nonperformance or untimely, negligent, or inadequate performance of the work; and
 - The liquidated sums specified represent a fair approximation of the damages incurred by the County resulting from the Contractor's failure to meet the performance standard as to each item for which an amount of liquidated damages is specified.
3. The Contractor shall pay Public Works, or Public Works may withhold from monies due the Contractor, liquidated damages in the sum of \$100 for each consecutive calendar day that the Contractor fails to complete work within the time specified unless otherwise provided in this Contract.

SECTION 3

STANDARD TERMS AND CONDITIONS PERTAINING TO CONTRACT ADMINISTRATION

A. Limitation of the County's Obligation Due to Non-appropriation of Funds

1. The County's obligation is payable only and solely from funds appropriated for the purpose of this Contract.
2. All funds for payments after June 30 of the current fiscal year are subject to the County's legislative appropriation for this purpose. Payments during subsequent fiscal periods are dependent upon the same action.
3. In the event this Contract extends into succeeding fiscal year periods, and if the governing body appropriating the funds does not allocate sufficient funds for the next succeeding fiscal year's payments, then the affected equipment and/or work shall be terminated as of June 30 of the then current fiscal year. The County shall notify the Contractor in writing of such nonallocation at the earliest possible date.

B. Gratuitous Work

The Contractor agrees that should work be performed outside the scope of work indicated and without Public Works' prior written approval in accordance with Section 3.U, Changes and Amendments of Terms, such work shall be deemed to be a gratuitous effort by the Contractor, and the Contractor shall have no claim, therefore, against the County.

C. No Payment for Services Following Expiration or Termination of Contract

The Contractor shall have no claim against the County for payment of any money or reimbursement of any kind whatsoever for any service provided by the Contractor after the expiration or other termination of this Contract. Should the Contractor receive any such payment it shall immediately notify the County and shall immediately repay all such funds to the County. Payment by the County for services rendered after expiration or other termination of this Contract shall not constitute a waiver of the County's right to recover such payment from the Contractor. This provision shall survive the expiration or other termination of this Contract.

D. Nondiscrimination in Employment

1. The Contractor shall ensure that qualified applicants are employed, and that employees are treated during employment without regard to their race, color, religion, ancestry, national origin, age, condition of physical or mental disability, marital status, political affiliation, sexual orientation, or gender. Such action shall include, but not be limited to the following:

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employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation, and selection of training, including apprenticeship.

2. The Contractor shall deal with its subcontractors, bidders, or vendors without regard to, or because of, race, color, religion, ancestry, national origin, age, condition of physical or mental disability, marital status, political affiliation, sexual orientation, or gender.
3. The Contractor shall allow the County representative access to its employment records during regular business hours to verify compliance with the provisions of this section when so requested by the County.
4. If the County finds that any of the above provisions have been violated, the same shall constitute a material breach of contract upon which the County may determine to cancel, terminate, or suspend this Contract. While the County reserves the right to determine independently that the antidiscrimination provisions of this Contract have been violated, in addition, a determination by the California Fair Employment Practices Commission or the Federal Equal Employment Opportunity Commission that the Contractor has violated State or Federal antidiscrimination laws or regulations shall constitute a finding by the County that the Contractor has violated the antidiscrimination provisions of this Contract.
5. The parties agree that in the event the Contractor violates the antidiscrimination provisions of this Contract, the County shall, at its option, be entitled to a sum of \$500 pursuant to California Civil Code Section 1671 as liquidated damages in lieu of canceling, terminating, or suspending this Contract.

E. Assignment

1. The Contractor may not delegate its duties or assign its rights under this Contract, either in whole or in part, without the prior written consent of the Director. Any prohibited delegation of duties or assignment of rights under this Contract shall be null and void and shall constitute a breach for which the Contract may be terminated. Any payments to any assignee of any claim under this Contract in consequence of such consent shall be subject to set-off, recoupment, or other reduction for any claim which the County may have.
2. Any delegation of duties or assignment of rights, including but not limited to a merger, acquisition, asset sale and the like, shall be in the form of a subcontract or formal assignment, as applicable. The Contractor's request to the Director for approval of an assignment shall include all applicable information that must be submitted with a request by the Contractor to the County for approval of a subcontract of the Contract work.

F. Subcontracting

1. No performance of this Contract or any portion thereof may be subcontracted by the Contractor without the express written consent of the County. Any attempt by the Contractor to subcontract any performance of the terms of this Contract without the express written consent of the County shall be null and void and shall constitute a breach of the terms of this Contract. In the event of such a breach, this Contract may be terminated forthwith.
2. In the event the County should consent to subcontracting, each and all of the provisions of this Contract and any amendment thereto shall extend to and be binding upon and inure to the benefit of the successors or administrators of the respective parties.
3. In the event the County should consent to subcontracting, the Contractor shall include in all subcontracts the following provision: "This Agreement is a subcontract under the terms of a prime contract with the County of Los Angeles. All representations and warranties shall inure to the benefit of the County of Los Angeles."
4. Any third party delegate(s) appointed by the Contractor shall be specified in writing to the Director for advance concurrence.
5. No subcontractor shall be recognized or dealt with by the Board or any of the persons chargeable with the enforcement of this Contract. The Contractor shall, at all times, be personally responsible for the performance of this Contract.

G. Contractor's Warranty of Adherence to County's Child Support Compliance Program

The Contractor acknowledges that the County has established a goal of ensuring that all individuals who benefit financially from the County through contract are in compliance with their court-ordered child, family, and spousal support obligations in order to mitigate the economic burden otherwise imposed upon the County and its taxpayers.

As required by the County's Child Support Compliance Program (Los Angeles County Code Chapter 2.200), and without limiting the Contractor's duty under this contract to comply with all applicable provisions of law, the Contractor warrants that it is now in compliance and shall during the term of this contract maintain compliance with the employment and wage reporting requirements of the Federal Social Security Act (42 USC Section 653) and California Unemployment Insurance Code Section 1088.5, and shall implement lawfully served Wage and Earnings Withholding Orders or Child Support Services Department Notices of

Wage and Earnings Assignment for Child, Family, or Spousal Support, pursuant to Code of Civil Procedure Section 706.031 and Family Code Section 5246(b).

H. Employment Eligibility Verification

1. The Contractor warrants that it fully complies with all Federal and State statutes and regulations regarding the employment of aliens and others and that all its employees performing work under this Contract meet the citizenship or alien status requirements set forth in Federal and State statutes and regulations. The Contractor shall obtain, from all employees performing work hereunder, all verification and other documentation of employment eligibility status required by Federal and State statutes and regulations including, but not limited to, the Immigration Reform and Control Act of 1986, (P.L. 99-603), or as they currently exist and as they may be hereafter amended. The Contractor shall retain all such documentation for all covered employees for the period prescribed by law.
2. The Contractor shall indemnify, defend, and hold harmless, the County, its agents, officers, and employees from employer sanctions and any other liability which may be assessed against the Contractor or the County or both in connection with any alleged violation of any Federal or State statutes or regulations pertaining to the eligibility for employment of any persons performing work under this Contract.

I. Assurance of Compliance with Civil Rights Laws

The Contractor hereby assures that it will comply with Subchapter VI of the Civil Rights Act of 1964, 42 USC Sections 2000e through 2000e(17), to the end that no person shall, on the grounds of race, creed, color, gender, or national origin, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under this Contract or under any project, program, or activity supported by this Contract.

J. Compliance with Laws

1. The Contractor agrees to comply with all applicable Federal, State, and local laws, rules, regulations, or ordinances, and all provisions required thereby to be included herein are hereby incorporated by reference.
2. The Contractor agrees to indemnify and hold the County harmless from any loss, damage, or liability resulting from a violation on the part of the Contractor of such laws, rules, regulations, or ordinances.

K. Covenant Against Contingent Fees

1. The Contractor warrants that no person or selling agency has been employed or retained to solicit or secure this Contract upon an agreement

or understanding for a commission, percentage, brokerage, or contingent fee, excepting bona fide employees or bona fide established commercial or selling agencies maintained by the Contractor for the purpose of securing business.

2. For breach or violation of this warranty, the County shall have the right to terminate this Contract and, at its sole discretion, deduct from this Contract price or consideration, or otherwise recover, the full amount of such commission, percentage, brokerage, or contingent fee.

L. Governing Laws

This Contract shall be construed in accordance with and governed by the laws of the State of California.

M. Termination for Improper Consideration

1. County may, by written notice to the Contractor, immediately terminate the right of the Contractor to proceed under this Contract if it is found that consideration, in any form, was offered or given by the Contractor, either directly or through an intermediary, to any County officer, employee or agent with the intent of securing this Contract or securing favorable treatment with respect to the award, amendment or extension of this Contract or the making of any determinations with respect to the Contractor's performance pursuant to this Contract. In the event of such termination, County shall be entitled to pursue that same remedies against the Contractor as it could pursue in the event of default by the Contractor.
2. The Contractor shall immediately report any attempt by a County officer or employee to solicit such improper consideration. Among other items, such improper consideration may take the form of cash, discounts, services, the provision of travel or entertainment or tangible gifts. The report shall be made either to the County manager charged with the supervision of the employee or to the County Auditor-Controller's Employee Fraud Hotline at (800) 554-6861. Such fraud may also be reported via e-mail to fraud@auditor.co.la.ca.us and by mail to Los Angeles County Fraud Hotline, 1000 South Fremont Avenue, Unit 51, Alhambra, CA 91803-4737.

N. Notice of Delay

Except as otherwise provided herein, when either party has knowledge that any actual or potential situation is delaying or threatens to delay the timely performance of this Contract, that party shall, within five days, give notice thereof, including all relevant information with respect thereto, to the other party.

O. Record Retention and Inspection

The Contractor agrees that the County or any duly authorized representative shall have access to and the right to examine, audit, excerpt, copy, or transcribe any pertinent transaction, activity, time cards, or other records relating to this Contract. Such material, including all pertinent costs, accounting, financial records, and proprietary data, shall be kept and maintained by the Contractor, at a location in Los Angeles County, for a period of five years after completion of this Contract unless the County's written permission is given to dispose of material prior to the end of such period.

P. Validity

The invalidity in whole or in part of any provision of this Contract shall not void or affect the validity of any other provision.

Q. Waiver

No waiver of a breach of any provision of this Contract by either party shall constitute a waiver of any other breach of said provision or any other provision of this Contract. Failure of either party to enforce at anytime or from time to time, any provision of this Contract shall not be construed as a waiver thereof. The remedies herein reserved shall be cumulative and additional to any other remedies in law or equity.

R. Disclosure of Information

1. The Contractor shall not disclose any details in connection with this Contract to any party, except as may be otherwise provided herein or required by law. However, in recognizing the Contractor's need to identify its services and related clients to sustain itself, the County shall not inhibit the Contractor from publicizing its role under this Contract within the following conditions:
2. The Contractor shall develop all publicity material in a professional manner.
3. During the course of performance of this Contract, the Contractor, its employees, agents, and subcontractors shall not publish or disseminate commercial advertisements, press releases, opinions or feature articles using the name of the County without the prior written consent of the Chief Administrative Officer and County Counsel. The County shall not unreasonably withhold written consent and approval by the County may be assured in the event no adverse comments are received in writing within two weeks after submittal.

4. The Contractor may, without prior written permission of the County, indicate in its proposals and sales materials that it has been awarded a Contract to provide these services, provided that the requirements of this Article shall apply.

S. Default and Termination

1. Default

- a. The County may, subject to the provisions of Subsection c (pertaining to defaults of subcontractors) below, by written notice of default to the Contractor, terminate the whole or any part of this Contract in any one of the following circumstances:
 - i. If the Contractor fails to perform the work within the time specified herein or any extension thereof; or
 - ii. If the Contractor fails to perform any of the other provisions of this Contract, or so fails to make progress as to endanger performance of this Contract in accordance with its terms, and in either of these two circumstances does not cure such failure within a period of 10 calendar days (or such longer period as the County may authorize in writing) after receipt of notice from the County specifying such failure.
- b. In the event the County terminates this Contract in whole or in part as provided in Subsection a above, the County may procure, upon such terms and in such manner as the County may deem appropriate, services similar to those so terminated, and the Contractor shall be liable to the County for any excess costs for such similar services, provided that the Contractor shall continue the performance of this Contract to the extent not terminated under the provisions of this clause.
- c. Except with respect to defaults of subcontractors, the Contractor shall not be liable for any excess costs if the failure to perform this Contract arises out of causes beyond the control and without the fault or negligence of the Contractor. Such causes may include, but are not restricted to acts of God or of the public enemy, acts of the County in either its sovereign or contractual capacity, acts of the Federal or State government in its sovereign capacity, fires, floods, epidemics, quarantine restrictions, strikes, freight embargoes, and unusually severe weather; but in every case, the failure to perform must be beyond the control and without the fault or negligence of the Contractor. If the failure to perform is caused by the default of a subcontractor, and if such default arises out of causes beyond the control of both the Contractor and subcontractor, and without the

negligence of either of them, the Contractor shall not be liable for any excess costs for failure to perform, unless the supplies or services to be furnished by the subcontractor were obtainable from other sources in sufficient time to permit the Contractor to meet the required delivery schedule.

- d. If, after Notice of Termination of this Contract under the provisions of this clause, it is determined for any reason that the Contractor was not in default under the provisions of this clause, or that the default was excusable under the provisions of this clause, the rights and obligations of the parties shall be the same as if the Notice of Termination had been issued pursuant to Section 3, Paragraph R.4, Termination for Convenience.
- e. The rights and remedies of the County provided in this clause shall not be exclusive and are in addition to any other rights and remedies provided by law or under this Contract.
- f. As used herein, the terms "subcontractor" and "subcontractors" mean persons, companies, corporations, or other organizations furnishing supplies, services of any nature, equipment, or materials to Contractor, at any tier, under oral or written agreement.

2. Default for Insolvency

The County may cancel this Contract forthwith for default in the event of the occurrence of any of the following:

- a. Insolvency of the Contractor. The Contractor shall be deemed to be insolvent if it has ceased to pay its debts in the ordinary course of business or cannot pay its debts as they become due, whether it has committed an act of bankruptcy or not, and whether insolvent within the meaning of the Federal Bankruptcy Law or not.
- b. The filing of a voluntary petition to have the Contractor declared bankrupt.
- c. The appointment of a Receiver or Trustee for the Contractor.
- d. The execution by the Contractor of an assignment for the benefits of creditors.
- e. The rights and remedies of the County provided in this clause shall not be exclusive and are in addition to any other rights and remedies provided by law or under this Contract.

3. Termination for Convenience

It is not the intent of the County to terminate this Contract before the completion of all items except for sound business reasons of which the County shall be the sole judge, however, and notwithstanding:

- a. The County reserves the right to renegotiate the terms of this Contract to reduce the Contractor's compensation in the event such reduction is necessary, in the sole discretion of the County, to achieve County budget reductions. Nothing in this paragraph is intended to diminish the County's right to terminate this Contract as provided herein.
- b. The County may at any time terminate this Contract, or any portion thereof, without liability (except as hereinafter provided) by delivering to the Contractor written notice specifying the desired termination date at least 30 days in advance thereof.
- c. If this Contract is terminated, the Contractor shall, within 30 days of the Notice of Termination, complete those items of work which are in various stages of completion which the Director determines are necessary to bring the work to a timely, logical, and orderly end. Reports, samples, and other materials prepared by the Contractor under this Contract shall be delivered to the County upon request and shall become the property of the County.

4. Termination for Breach of Warranty to Maintain Compliance with County's Child Support Requirements

Failure of the Contractor to maintain compliance with the requirements set forth in Section 3, Paragraph G of this Exhibit B shall constitute default under this Contract. Without limiting the rights and remedies available to the County under any other provision of the Contract, failure of the Contractor to cure such default within 90 calendar days of written notice shall be grounds upon which the County may terminate the Contract pursuant to Paragraph D1 "Default," of this Section 3, and debar the Contractor pursuant to County Code Chapter 2.202.

T. Notification

1. Notices desired or required to be given under these Specifications, Conditions, or Terms herein or any law now or hereafter in effect may, at the option of the party giving the same, be given by enclosing the same in a sealed envelope addressed to the party for whom intended and by depositing such envelope with postage prepaid in the United States Post Office or any substation thereof, or any public box, and any such notice and the envelope containing the same shall be addressed to the

Contractor at its place of business, or such other place as may be hereinafter designated in writing by the Contractor. The notices and envelopes containing the same to the County shall be addressed to:

Chief Deputy Director
County of Los Angeles Department of Public Works
P.O. Box 1460
Alhambra, CA 91802-1460

In the event of suspension or termination of this Contract, notices may also be given upon personal delivery to any person whose actual knowledge of such suspension or termination would be sufficient notice to the Contractor. Actual knowledge of such suspension or termination by an individual Contractor or by a copartner, if the Contractor is a partnership; or by the president, vice president, secretary or general manager, if the Contractor is a corporation; or by the managing agent regularly in charge of the work on behalf of said Contractor shall in any case be sufficient notice.

U. County Lobbyists

The Contractor certifies that it and each County lobbyist or County lobbying firm, as defined in Los Angeles County Code Section 2.160.010, retained by the Contractor are familiar with the requirements of the County Lobbyist Ordinance, Los Angeles County Code Chapter 2.160. Failure on the part of the Contractor to fully comply with the County Lobbyist Ordinance shall constitute a material breach upon which the County may immediately terminate or suspend this Contract.

V. Changes and Amendments of Terms

The County reserves the right to change any portion of the work required under this Contract, or amend such terms and conditions which may become necessary. Any such revisions shall be accomplished in the following manner:

1. For any change which does not materially affect the scope of work, period of performance, payments, or any material term or condition included in this Contract, a Change Notice shall be prepared and signed by the Director and Contractor.
2. For any revision which materially affects the scope of work, period of performance, payments, or any material term or condition included in this Contract, a negotiated modification to this Contract shall be executed by the Board and the Contractor.
3. To the extent that extensions of time for Contractor performance do not impact either scope or cost of this Contract, Public Works may, at its sole

discretion, grant the Contractor extensions of time provided, however, that the aggregate of all such extensions during the life of this Contract shall not exceed 60 days.

W. Confidentiality

The Contractor shall maintain the confidentiality of all its records relating to this Contract, according to all applicable Federal, State, and County laws, regulations, ordinances, and directives relating to confidentiality. The Contractor shall inform all of its officers, employees, and agents providing services hereunder of the confidentiality provisions of this Contract.

X. Quantities of Work

The Contractor shall be allowed no claims for anticipated profits or for any damages of any sort because of any difference between the estimated and actual quantities of work done or for work decreased or eliminated by the County.

Y. County's Quality Assurance Plan

The County or its agent will evaluate the Contractor's performance under this Contract on not less than an annual basis. Such evaluation will include assessing the Contractor's compliance with all Contract terms and performance standards. Contractor deficiencies which County determines are severe or continuing and that may place performance of this Contract in jeopardy, if not corrected, will be reported to the Board. The report will include improvement/corrective action measures taken by the County and the Contractor. If improvement does not occur consistent with the corrective action measures, County may terminate this Contract or impose other penalties as specified in this Contract.

SECTION 4

INDEMNIFICATION AND INSURANCE REQUIREMENTS

A. Independent Contractor Status

This Contract is by and between the County and the Contractor and is not intended, and shall not be construed, to create the relationship of agent, servant, employee, partnership, joint venture, or association, between the County and the Contractor.

The Contractor understands and agrees that all persons furnishing services to the County pursuant to this Contract are, for all purposes including, but not limited to Workers' Compensation liability, employees solely of the Contractor and not of the County.

The Contractor shall bear the sole responsibility and liability for furnishing Workers' Compensation and all other benefits required by law to any person for injuries arising from or connected with services performed on behalf of the Contractor pursuant to this Contract.

B. Indemnification

The Contractor shall indemnify, defend, and hold harmless the County, its special districts, elected and appointed officers, employees, and agents from and against any and all liability, including but not limited to demands, claims, actions, fees, costs, and expenses (including attorney and expert witness fees), arising from or connected with the Contractor's acts and/or omissions arising from and/or relating to this Contract.

C. Workplace Safety Indemnification

In addition to and without limiting the indemnification required by Section 4, Paragraph B (above), and to the extent allowed by law, the Contractor agrees to defend, indemnify and hold harmless the County, its special districts, and its officers, employees and agents from and against any and all investigations, complaints, citations, liability, expense (including defense costs and legal fees), claims, and/or causes of action for damages of any nature whatsoever, including but not limited to injury or death to employees of the Contractor, its subcontractors or the County, attributable to any alleged act or omission of the Contractor and/or its subcontractors which is in violation of any Cal/OSHA regulation. The obligation to defend, indemnify and hold harmless includes all investigations and proceedings associated with purported violations of Section 336.10 of Title 8 of the California Code of Regulations pertaining to multi-employer worksites. The Contractor shall not be obligated to indemnify for liability and expenses arising from the active negligence of the County. The County may deduct from any payment otherwise due the Contractor any costs incurred or anticipated to be incurred by the County, including legal fees and staff costs, associated with any investigation or

enforcement proceeding brought by Cal/OSHA arising out of the work being performed by the Contractor under this Contract.

D. General Insurance Requirements

1. Without limiting the Contractor's indemnification of the County and during the term of this Contract, the Contractor shall provide and maintain, and shall require all of its subcontractors to maintain, the following programs of insurance specified in this Contract. Such insurance shall be primary to and not contributing with any other insurance or self-insurance programs maintained by the County, and such coverage shall be provided and maintained at the Contractor's own expense.
2. Evidence of Insurance - Certificate(s) or other evidence of coverage satisfactory to the County shall be delivered to Administrative Services Division, P.O. Box 1460, Alhambra, California 91802-1460, prior to commencing work under this Contract. Such certificates or other evidence shall:
 - a. Specifically identify this Contract.
 - b. Clearly evidence all coverage required in this Contract.
 - c. Contain the express condition that the County is to be given written notice by mail at least 30 days in advance of cancellation for all policies evidenced on the certificate of insurance.
 - d. Include copies of the additional insured endorsement to the commercial general liability and automobile policies, adding the County, its special districts, its officials, officers, and employees as insureds for all activities arising from this Contract.
 - e. Identify any deductibles or self-insured retentions for the County's approval. The County retains the right to require the Contractor to reduce or eliminate such deductibles or self-insurance retentions as they apply to the County, or, require the Contractor to provide a bond guaranteeing payment of all such retained losses and related costs, including but not limited to expenses or fees, or both, related to investigations, claims administrations, and legal defense. Such bond shall be executed by a corporate surety licensed to transact business in the State of California.
3. Insurer Financial Rating - Insurance is to be provided by an insurance company acceptable to the County with an A. M. Best rating of not less than A:VII, unless otherwise approved by the County.

4. Failure to Maintain Coverage - Failure by the Contractor to maintain the required insurance, or to provide evidence of insurance coverage acceptable to the County, shall constitute a material breach of contract upon which the County may immediately terminate or suspend the Contract. The County, at its sole option, may obtain damages from the Contractor resulting from said breach. Alternatively, the County may purchase such required insurance coverage, and without further notice to the Contractor, the County may deduct from sums due to the Contractor any premium costs advanced by the County for such insurance.
 5. Notification of Incidents, Claims, or Suits - The Contractor shall report to the County's Contract Manager:
 - a. Any accident or incident relating to work performed under the Contract which involves injury or property damage which may result in the filing of a claim or lawsuit against the Contractor and/or the County. Such report shall be made in writing within 24 hours of occurrence.
 - b. Any third-party claim or lawsuit filed against the Contractor arising from or related to work performed by the Contractor under this Contract.
 - c. Any injury to a Contractor's employee which occurs on County property. This report shall be submitted on a County "Non-employee Injury Report."
 - d. Any loss, disappearance, destruction, misuse, or theft of any kind whatsoever of County property, monies, or securities entrusted to the Contractor under the terms of this Contract.
- E. Compensation for County Costs

In the event that the Contractor fails to comply with any of the indemnification or insurance requirements of this Contract, and such failure to comply results in any costs to the County, the Contractor shall pay full compensation for all costs incurred by the County.

F. Insurance Coverage Requirements for Subcontractors

The Contractor shall ensure any and all subcontractors performing services under this Contract meets the insurance requirements of this Contract by either:

1. Contractor providing evidence of insurance covering the activities of subcontractor; or
2. Contractor providing evidence submitted by subcontractors evidencing that subcontractors maintain the required insurance coverage. The County

retains the right to obtain copies of evidence of subcontractor insurance coverage at any time.

G. Insurance Coverage Requirements

1. General Liability insurance (written on ISO policy form CG 00 01 or its equivalent) with limits of not less than the following (can be met by a combination of primary and excess insurance coverage):
 - a. General Aggregate: \$2 million
 - b. Products/Completed Operations Aggregate: \$1 million
 - c. Personal and Advertising Injury: \$1 million
 - d. Each Occurrence: \$1 million
2. Automobile Liability insurance (written on ISO policy form CA 00 01 or its equivalent) with a limit of liability of not less than \$1 million for each accident. Such insurance shall include coverage for all "owned," "nonowned," and "hired" vehicles, or coverage for "any auto." (Can be met by a combination of primary and excess insurance coverage).
3. Workers' Compensation and Employers' Liability insurance providing Workers' Compensation benefits, as required by the Labor Code of the State of California, or by any other State for which the Contractor is responsible. If the Contractor's employees will be engaged in maritime employment, coverage shall provide Workers' Compensation benefits as required by the U.S. Longshore and Harbor Workers' Compensation Act, Jones Act, or any other Federal law for which the Contractor is responsible.
4. In all cases, the above insurance also shall include Employers' Liability coverage with limits of not less than the following:
 - a. Each Accident: \$1 million
 - b. Disease - policy limit: \$1 million
 - c. Disease - each employee: \$1 million
5. As a condition precedent to its performance pursuant to this Contract, the Contractor, by and through its execution of this Contract, certifies that it is aware of, and understands, the provisions of Section 3700 of the Labor Code, which requires every employer to be insured against liability of Workers' Compensation or to undertake self-insurance in accordance with those provisions before commencing the performance of work under this Contract, and agrees to fully comply with said provisions.

6. Property Coverage insurance shall be endorsed naming the County as loss payee, provide deductibles of no greater than five percent of the property value, and shall include:
 - a. Personal Property: Automobiles and Mobile Equipment - Special form "all risk" coverage for the actual cash value of County-owned or leased property.
 - b. Real Property and All Other Personal Property - Special form "all risk" coverage for the full replacement value of County-owned or leased property.

SECTION 5

LABOR RELATIONS AND RESPONSIBILITIES

A. Labor Law Compliance

The Contractor, its agents and employees shall be bound by and shall comply with all applicable provisions of the Labor Code of the State of California, as well as all other applicable Federal, State, and local laws related to labor. The Contractor shall comply with Labor Code Section 1777.5 with respect to the employment of apprentices.

B. Overtime

Eight hours labor constitutes a legal day's work. Work in excess thereof, or greater than 40 hours during any one week, shall be permitted only as authorized by Labor Code Section 1815.

C. Prohibition Against Use of Child Labor

1. The Contractor shall:

- a. Not knowingly sell or supply to the County any products, goods, supply, or other personal property manufactured in violation of child labor standards set by the International Labor Organization through its 1973 Convention Concerning Minimum Age for Employment;
- b. Upon request by the County, provide the country/countries of origin of any products, goods, supplies, or other personal property the Contractor sells or supplies to the County; and
- c. Upon request by the County, provide to the County the manufacturer's certification of compliance with all international child labor conventions.
- d. Should the County discover that any products, goods, supplies, or other personal property sold or supplied by the Contractor to the County are produced in violation of any international child labor conventions, the Contractor shall immediately provide an alternative, compliant source of supply.

2. Failure by the Contractor to comply with provisions of this clause will be grounds for immediate cancellation of this Contract.

D. Consideration of Hiring GAIN/GROW Employees

Should the Contractor require additional or replacement personnel after the effective date of this Contract, the Contractor shall give consideration for any

such employment openings to participants in the County's Department of Public Social Services' Greater Avenues for Independence (GAIN) Program or General Relief Opportunity for Work (GROW) Program who meet the Contractor's minimum qualifications for the open position. For this purpose, consideration shall mean that the Contractor will interview qualified candidates. The County will refer GAIN/GROW participants by category to the Contractor.

E. Notice to Employees Regarding the Federal Earned Income Credit

The Contractor shall notify its employees, and shall require each subcontractor to notify its employees, that they may be eligible for the Federal Earned Income Credit under the Federal income tax laws. Such notice shall be provided in accordance with the requirements set forth in Internal Revenue Service Notice 1015 (Exhibit C).

F. Legal Status of Contractor's Personnel at Facility

Contractor warrants that it fully complies with all laws regarding employment of aliens and others, and that all of its employees performing services hereunder meet the citizenship or alien status requirements contained in Federal and State statutes and regulations including, but not limited to the Immigration Reform and Control Act of 1986 (PL. 99-603). The Contractor shall obtain from all covered employees performing services hereunder, all verification and other documentation of employment eligibility status required by Federal statutes and regulations as they currently exist and as they may be hereafter amended. The Contractor shall retain such documentation for all covered employees for the period prescribed by law. The Contractor shall indemnify, defend, and hold harmless, the County, its officers and employees from employer sanctions and any other liability which may be assessed against the Contractor or the County or both in connection with any alleged violation of Federal statutes or regulations pertaining to the eligibility for employment of persons performing services under this Contract.

G. Prevailing Wage

The Director of the California Department of Industrial Relations has ascertained the prevailing rate of per diem wages in dollars, based on a working day of eight hours, for each craft or type of worker or mechanic needed to execute any construction or maintenance contract which may be awarded by Public Works. The current prevailing wage rates as adopted by the Director of the Department of Industrial Relations are incorporated herein by reference and may be accessed at <http://www.dir.ca.gov/>.

The Contractor is required to pay the prevailing wage rate referred to above and is responsible for selecting the classification of workers which will be required to perform this service in accordance with the Contractor's method of performing the work. Pursuant to Section 1775, Labor Code (State of California), Contractor shall forfeit \$50 for each calendar day, or portion thereof, for each worker paid less than

the stipulated prevailing wage rates for any public work done under this Contract or by any subcontractor.

G. Consideration of Hiring County Employees Targeted for Layoffs

Should the Contractor require additional or replacement personnel after the effective date of this Contract to perform the services set forth herein, the Contractor shall give first consideration for such employment openings to qualified permanent County employees who are targeted for layoff or qualified former County employees who are on a reemployment list during the life of this Contract.

SECTION 6
CONTRACTOR RESPONSIBILITY AND DEBARMENT

- A. A responsible Contractor is a Contractor who has demonstrated the attribute of trustworthiness, as well as quality, fitness, capacity, and experience to satisfactorily perform the proposed Contract. It is the County's policy to conduct business only with responsible contractors.
- B. The Contractor is hereby notified that, in accordance with Chapter 2.202 of the County Code, if the County acquires information concerning the performance of the Contractor on this or other contracts which indicates that the Contractor is not responsible, the County may, in addition to other remedies provided in the Contract, debar the Contractor from bidding on County contracts for a specified period of time not to exceed three years, and terminate any or all existing contracts the Contractor may have with the County.
- C. The County may debar a contractor if the Board of Supervisors, in its discretion, finds that the Contractor has done any of the following: (1) violated any term of a contract with the County; (2) committed any act or omission which negatively reflects on the Contractor's quality, fitness or capacity to perform a contract with the County or any other public entity, or engaged in a pattern or practice which negatively reflects on same; (3) committed an act or offense which indicates a lack of business integrity or business honesty; or (4) made or submitted a false claim against the County or any other public entity.
- D. If there is evidence that the Contractor may be subject to debarment, Public Works will notify the Contractor in writing of the evidence which is the basis for the proposed debarment and will advise the Contractor of the scheduled date for a debarment hearing before the Contractor Hearing Board.
- E. The Contractor Hearing Board will conduct a hearing where evidence on the proposed debarment is presented. The Contractor and/or the Contractor's representative shall be given an opportunity to submit evidence at that hearing. After the hearing, the Contractor Hearing Board will prepare a proposed decision, which will contain a recommendation regarding whether the Contractor should be debarred, and, if so, the appropriate length of time of the debarment. If the Contractor fails to avail itself of the opportunity to submit evidence to the Contractor Hearing Board, the Contractor may be deemed to have waived all rights of appeal.
- F. A record of the hearing, the proposed decision and any other recommendation of the Contractor Hearing Board will be presented to the Board. The Board will have the right to modify, deny or adopt the proposed decision and recommendation of the Contractor Hearing Board.
- G. These terms shall also apply to subcontractors of the Contractor.

SECTION 7

CONTRACTOR EMPLOYEE JURY SERVICE PROGRAM

A. Contract Subject to Jury Service Program

This Contract is subject to the provisions of the County's ordinance entitled Contractor Employee Jury Service (Jury Service Program) as codified in Sections 2.203.010 through 2.203.090 of the Los Angeles County Code.

B. Written Employee Jury Service Policy

1. Unless the Contractor has demonstrated to the County's satisfaction either that the Contractor is not a "Contractor" as defined under the Jury Service Program (Section 2.203.020 of the County Code) or that the Contractor qualifies for an exception to the Jury Service Program (Section 2.203.070 of the County Code), the Contractor shall have and adhere to a written policy that provides that its Employees shall receive from the Contractor, on an annual basis, no less than five days of regular pay for actual jury service. The policy may provide that Employee deposit any fees received for such jury service with the Contractor or that the Contractor deducts from the Employee's regular pay the fees received for jury service.
2. For purposes of this Section, "Contractor" means a person, partnership, corporation, or other entity which has a contract with the County or a subcontract with a County contractor and has received or will receive an aggregate sum of \$50,000 or more in any 12-month period under one or more County contracts or subcontracts. "Employee" means any California resident who is a full-time employee of the Contractor. "Full-time" means 40 hours or more worked per week, or a lesser number of hours if the lesser number is a recognized industry standard and is approved as such by the County. If the Contractor uses any subcontractor to perform services for the County under this Contract, the subcontractor shall also be subject to the provisions of this Section. The provisions of this Section shall be inserted into any such subcontract agreement and a copy of the Jury Service Program shall be attached to the agreement.
3. If the Contractor is not required to comply with the Jury Service Program when this Contract commences, the Contractor shall have a continuing obligation to review the applicability of its "exception status" from the Jury Service Program, and the Contractor shall immediately notify the County if the Contractor at any time either comes within the Jury Service Program's definition of "Contractor" or if the Contractor no longer qualifies for an exception to the Program. In either event, the Contractor shall immediately implement a written policy consistent with the Jury Service Program. The County may also require, at any time during this Contract and at its sole discretion, that the Contractor demonstrate to the County's

satisfaction that the Contractor either continues to remain outside of the Jury Service Program's definition of "Contractor" and/or that the Contractor continues to qualify for an exception to the Program.

4. The Contractor's violation of this Section of the Contract may constitute a material breach of the Contract. In the event of such material breach, the County may, in its sole discretion, terminate this Contract and/or bar the Contractor from the award of future County contracts for a period of time consistent with the seriousness of the breach.

SECTION 8

LOCAL SMALL BUSINESS ENTERPRISE PREFERENCE PROGRAM

- A. This Contract is subject to the provisions of the County's ordinance entitled Local Small Business Enterprise Preference Program, as codified in Chapter 2.204 of the Los Angeles County Code.
- B. The Contractor shall not knowingly and with the intent to defraud, fraudulently obtain, retain, attempt to obtain or retain, or aid another in fraudulently obtaining or retaining or attempting to obtain or retain certification as a Local Small Business Enterprise.
- C. The Contractor shall not willfully and knowingly make a false statement with the intent to defraud, whether by affidavit, report, or other representation, to a County official or employee for the purpose of influencing the certification or denial of certification of any entity as a Local Small Business Enterprise.
- D. If the Contractor has obtained County certification as a Local Small Business Enterprise by reason of having furnished incorrect supporting information or by reason of having withheld information, and which knew, or should have known, the information furnished was incorrect or the information withheld was relevant to its request for certification, and which by reason of such certification has been awarded this Contract to which it would not otherwise have been entitled, shall:
 - 1. Pay to the County any difference between the contract amount and what the County's costs would have been if the contract had been properly awarded;
 - 2. In addition to the amount described in subdivision (1), be assessed a penalty in an amount of not more than 10 percent of the amount of the contract; and
 - 3. Be subject to the provisions of Chapter 2.202 of the Los Angeles County Code (Determinations of Contractor Nonresponsibility and Contractor Debarment).
- E. The above penalties shall also apply if the Contractor is no longer eligible for certification as a result of a change of its status and the Contractor failed to notify the State and the County's Office of Affirmative Action Compliance of this information.

SECTION 9

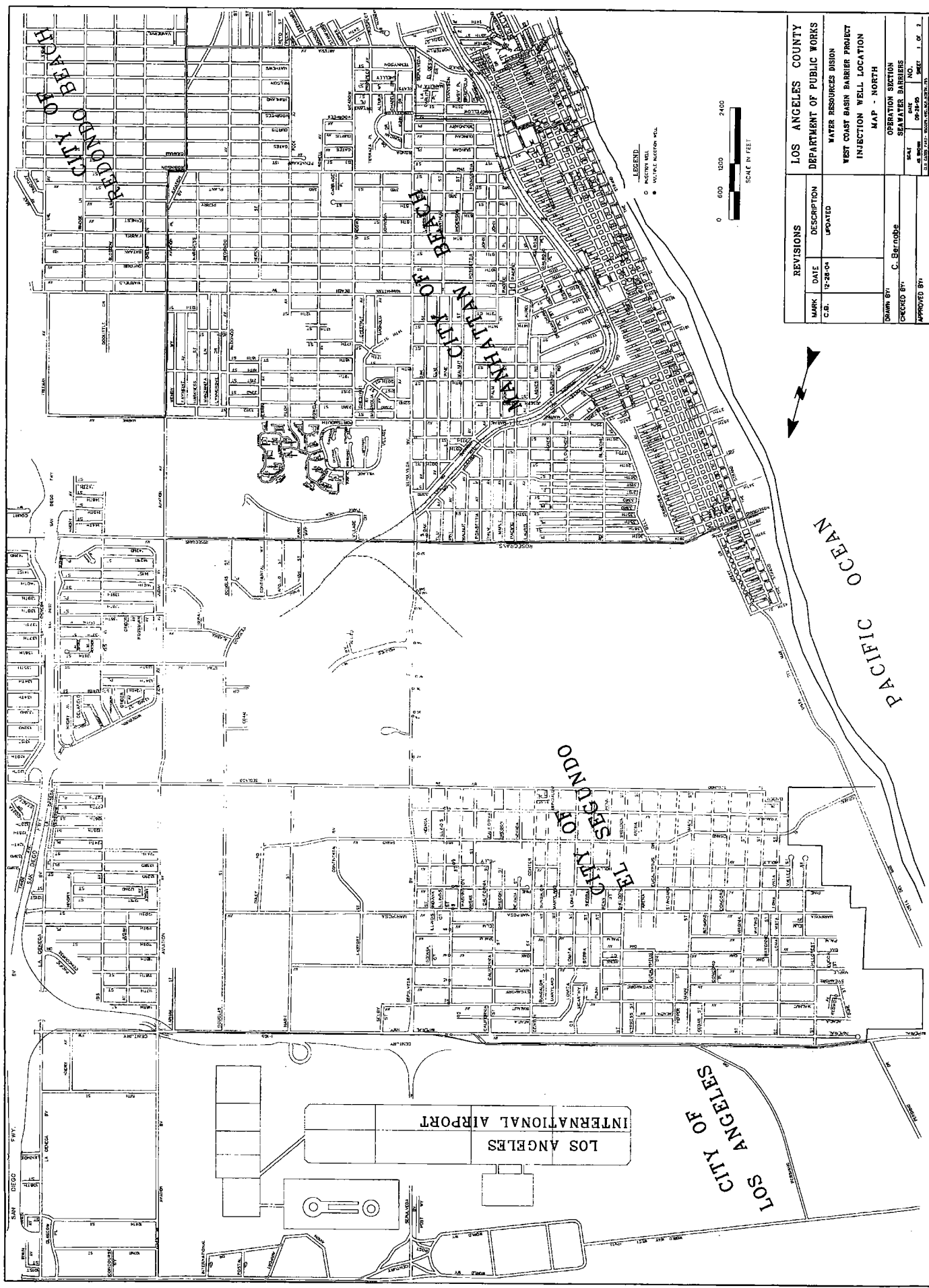
SAFELY SURRENDERED BABY LAW PROGRAM

A. Notice to Employees Regarding the Safely Surrendered Baby Law

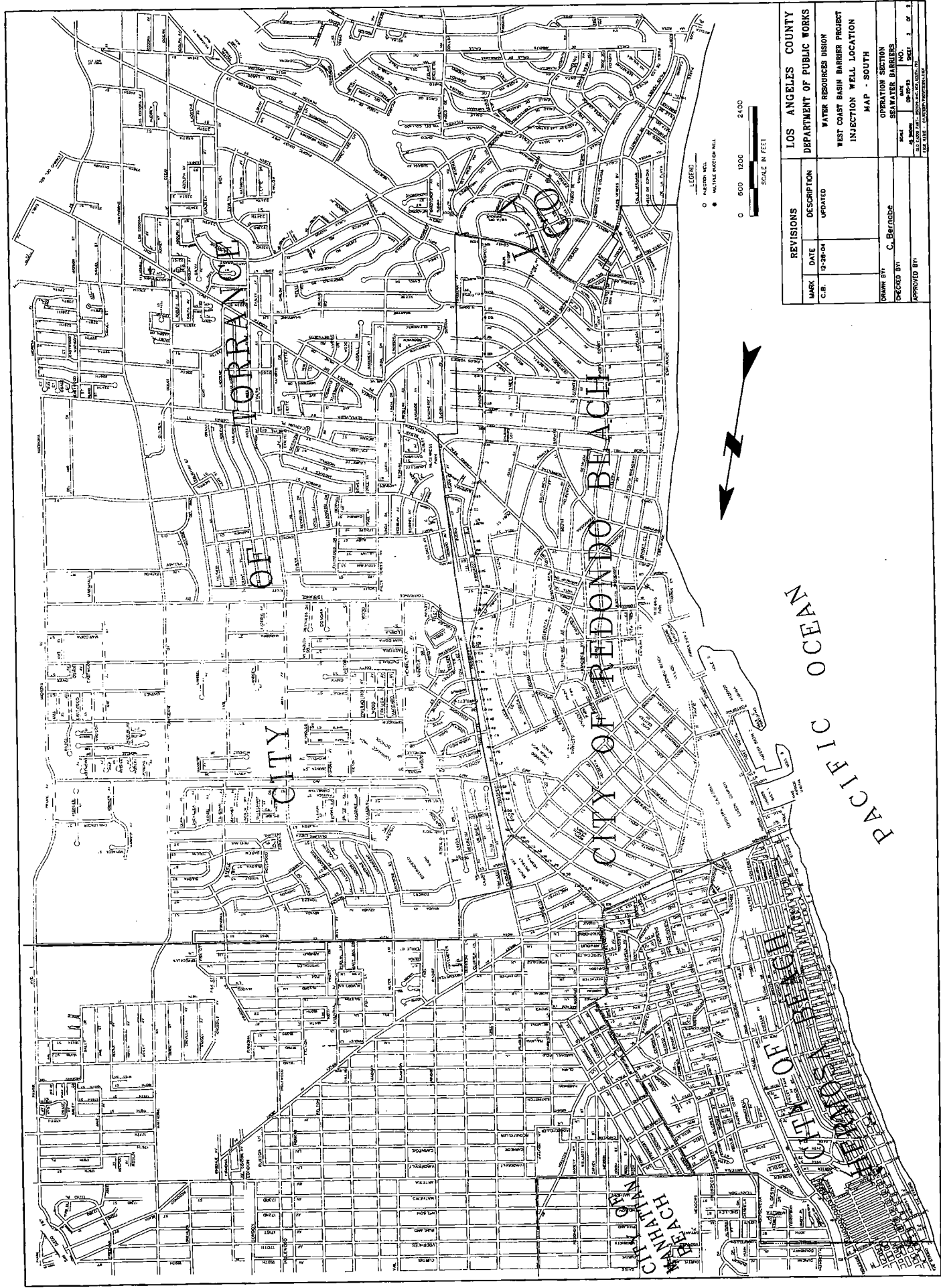
The Contractor shall notify and provide to its employees, and shall require each subcontractor to notify and provide to its employees, a fact sheet regarding the Safely Surrendered Baby Law, its implementation in Los Angeles County, and where and how to safely surrender a baby. The fact sheet is set forth in Exhibit D to this Contract and is also available on the Internet at www.babysafela.org for printing purposes.

B. Contractor's Acknowledgment of County's Commitment to the Safely Surrendered Baby Law

The Contractor acknowledges that the County places a high priority on the implementation of the Safely Surrendered Baby Law. The Contractor understands that it is the County's policy to encourage all County contractors to voluntarily post the County's "Safely Surrendered Baby Law" poster in a prominent position at the Contractor's place of business. The Contractor will also encourage its subcontractors, if any, to post this poster in a prominent position in the subcontractor's place of business. The County's Department of Children and Family Services will supply the Contractor with the poster to be used.



REVISIONS		LOS ANGELES COUNTY	
MARK	DATE	DESCRIPTION	DEPARTMENT OF PUBLIC WORKS
C.B.	12-28-00	UPDATED	WATER RESOURCES DIVISION
		WEST COAST BASIN BARRIER PROJECT	
		INJECTION WELL LOCATION	
		MAP - NORTH	
		OPERATION SECTION	
		SEAWATER BARRIERS	
		DRAWN BY: C. Barboza	
		CHECKED BY:	
		APPROVED BY:	
		SHEET 1 OF 3	



REVISIONS		LOS ANGELES COUNTY	
MARK	DATE	DEPARTMENT OF PUBLIC WORKS	
C.S.	2-28-04	WATER RESOURCES DIVISION	
		WEST COAST BASIN BARRIER PROJECT	
		INJECTION WELL LOCATION	
		MAP - SOUTH	
		OPERATION SECTION	
		SEAWATER BARRIERS	
		DRAWN BY: C. BERGHOFF	
		CHECKED BY:	
		APPROVED BY:	
		SHEET NO. 1 OF 1	
		DATE: 2-28-04	
		BY: C. BERGHOFF	
		FOR USE: WATER RESOURCES DIVISION	

List of Injection Wells for Redevelopment and Construction Data

(A) Required Wells

Project No.	FCD No.	Aquifer	Elevation at Well vault cover (ft MSL)	Casing Size (in)	Casing Material	Casing Depth (ft)	Top of 1st screen (ft)	Bottom of 1st screen (ft)	Top of 2nd screen (ft)	Bottom of 2nd screen (ft)	Total Screen length (ft)
3Z	1306H	200	125.8	12	ASBESTOS CEMENT		122.8	148.8			26
3Z	1306J	SIL	125.8	12	ASBESTOS CEMENT	304	195.8	286.8			91
4H	1307AC	SIL	124.8	12	ASBESTOS CEMENT	277	198.8	276.8			78
4H	1307U	200	124.8	12	ASBESTOS CEMENT		133.8	159.8			26
4Z	1308AA	200	100.3	12	ASBESTOS CEMENT	357	201.3	331.3			130
5L1	1309AQ	200	116.0	6	PVC PLASTIC		140.0	150.0			10
5L1	1309AR	SIL	116.0	6	PVC PLASTIC		180.0	410.0			230
5Y	690D	2-S	116.3	12	STEEL	296	136.0	172.0			36
6B	691DD	2-S	117.0	12	STEEL		174.0	239.0	242.0	282.0	105
6E	691T	2-S	99.4	12	STEEL		120.4	220.4			100
7V	713G	SIL	160.9	12	ASBESTOS CEMENT	442	259.9	415.9			156
8A	714T	SIL	181.9	12	ASBESTOS CEMENT	440	243.9	412.9			169
8D	714U	SIL	200.5	12	ASBESTOS CEMENT	443	274.5	417.5			143
8F	714K	SIL	192.7	12	ASBESTOS CEMENT	413	270.7	387.7			117
8G	714L	SIL	160.3	12	ASBESTOS CEMENT	373	266.3	347.3			81
8J	714M	SIL	140.4	12	ASBESTOS CEMENT	349	192.4	322.4			130
8P1	724Q	SIL	151.6	12	ASBESTOS CEMENT	338	220.6	311.6			91
8S1	725BE	SIL	137.8	12	ASBESTOS CEMENT		201.8	292.8			91
8S1	725BF	LSP	137.8	12	ASBESTOS CEMENT	621	383.8	591.8			208
8V1	725BL	SIL	132.9	12	ASBESTOS CEMENT	330	186.9	303.9			117
9B	725Y	SIL	144.6	12	ASBESTOS CEMENT	347	190.6	320.6			130
9C	725AF	SIL	148.4	12	ASBESTOS CEMENT		210.4	340.4			130
9C	725AG	LSP	148.4	12	ASBESTOS CEMENT	627	418.4	600.4			182
9D	725AA	SIL	152.7	12	ASBESTOS CEMENT	367	182.7	338.7			156
9D1	725BM	LSP	151.8	12	ASBESTOS CEMENT	675	427.8	638.8			211
9E	726AB	SIL	148.4	12	ASBESTOS CEMENT		236.4	353.4			117
9G	726AL	SIL	136.3	12	ASBESTOS CEMENT		217.3	360.3			143
9G	726AM	LSP	136.3	12	ASBESTOS CEMENT		438.3	672.3			234
TOTAL Screen Length to be redeveloped											3,438 Feet
TOTAL number of wells to be redeveloped											28 Wells

(B) Optional Wells

Project No.	FCD No.	Aquifer	Elevation at Well vault cover (ft MSL)	Casing Size (in)	Casing Material	Casing Depth (ft)	Top of 1st screen (ft)	Bottom of 1st screen (ft)	Top of 2nd screen (ft)	Bottom of 2nd screen (ft)	Total Screen length (ft)
9J1	726AY	LSP	141.0	6	PVC PLASTIC	754	455.0	728.0			273
9K	726AQ	LSP	151.4	6	ASBESTOS CEMENT	730	496.4	704.4			208
9T1	726BA	LSP	142.2	12	ASBESTOS CEMENT	744	575.2	718.2			143
9V	727AE	SIL	131.2	12	ASBESTOS CEMENT	533	260.2	507.2			247
9X1	727AW	LSP	113.3	6	PVC PLASTIC	677	606.3	667.3			61
10F	727AP	SIL	88.4	12	ASBESTOS CEMENT		193.4	388.4			195
10G	727AQ	SIL	75.9	12	ASBESTOS CEMENT	689	181.9	350.9			169
10G	727AR	LSP	75.9	12	ASBESTOS CEMENT		441.9	662.9			221
10N	728W	LSP	119.0	12	ASBESTOS CEMENT	735	705.0	809.0			104
5U	700E	200	134.6	12	ASBESTOS CEMENT		183.6	196.6			0 (a)
5U	700F	SIL	134.6	12	ASBESTOS CEMENT	379	222.6	352.6			0 (a)
9V1	727AS	LSP	128.3	12	ASBESTOS CEMENT	725	608.3	699.3			0 (a)
10Q1	728AZ	LSP	155.8	6	STAINLESS STEEL	925	753.8	920.8			0 (a)
4T	1308AC	200	108.4	12	ASBESTOS CEMENT	318	122.4	187.4			65
4T	1308AG	SIL	108.4	12	ASBESTOS CEMENT		213.4	291.4			78
5B	1308AD	200	97.6	12	STEEL		99.6	109.6			10
5B	1308AE	SIL	97.6	12	STEEL	430	139.6	405.6			266
5M1	1309AH	200	129.3	12	STEEL		155.3	170.3			15
5M1	1309AI	SIL	129.3	11	STEEL	368	200.3	365.3			165
5R	1309AD	200	170.1	12	ASBESTOS CEMENT	497	210.1	223.1			13
5R	1309AL	SIL	170.1	12	ASBESTOS CEMENT		249.1	470.1			221
6A	691EE	2-S	119.7	12	STEEL		130.7	330.7			200
6L	702J	2-S	77.6	12	STEEL		113.6	252.6			139
7E	702Q	SIL	64.2	12	ASBESTOS CEMENT	237	119.2	210.2			91
8D1	714AD	LSP	199.4	6	STAINLESS STEEL	647	566.4	636.4			70
8F2	714AC	LSP	191.3	6	STAINLESS STEEL	622	530.3	611.3			81
8L	724J	SIL	165.3	12	ASBESTOS CEMENT	357	248.3	339.3			91
8M	724K	SIL	154.7	12	ASBESTOS CEMENT	349	218.7	322.7			104
8M1	724L	SIL	143.1	12	ASBESTOS CEMENT	320	216.1	307.1			91
8M2	724V	LSP	143.0	6	STAINLESS STEEL	530	368.0	520.0			152
8P2	724W	LSP	142.7	6	STAINLESS STEEL	620	345.7	605.7			260
8R1	725BN	LSP	148.8	6	STAINLESS STEEL	651	341.8	641.8			300

8S	725BD	SIL	140.9	12	ASBESTOS CEMENT	304	212.9	303.9			91
8W	725U	SIL	143.7	12	ASBESTOS CEMENT	309	163.7	280.7			117
8X	725AB	SIL	148.8	12	ASBESTOS CEMENT		197.8	327.8			130
8X	725AC	LSP	148.8	12	ASBESTOS CEMENT	642	405.8	613.8			208
9F	726AA	SIL	139.1	12	ASBESTOS CEMENT	366	221.1	338.1			117
9G1	726BC	LSP	136.2	6	STAINLESS STEEL	685	435.2	675.2			240
9G1	726BE	SIL	136.2	6	STAINLESS STEEL		212.2	357.2			145
9J	726AN	SIL	139.7	12	ASBESTOS CEMENT	414	218.7	387.7			169
9M1	726BB	LSP	158.3	6	STAINLESS STEEL	733	521.3	723.3			202
9P	726AZ	LSP	140.1	12	ASBESTOS CEMENT	727	610.1	701.1			91
9Y	727AH	SIL	114.4	12	ASBESTOS CEMENT	569	244.4	543.4			299
9Y2	727AX	LSP	114.4	6	STAINLESS STEEL	685	614.4	679.4			65
10A	727AJ	SIL	116.0	12	ASBESTOS CEMENT		249.0	496.0			247
10A	727AK	LSP	116.0	12	ASBESTOS CEMENT	678	561.0	652.0			91
10B	727AT	LSP	114.9	12	ASBESTOS CEMENT	710	540.9	683.9			143
10C	727AL	SIL	116.5	12	ASBESTOS CEMENT	523	251.5	498.5			247
10E	727AU	LSP	86.7	12	ASBESTOS CEMENT	672	476.7	645.7			169
10J1	728V	LSP	120.1	12	ASBESTOS CEMENT	728	481.1	702.1			221
10L	728J	SIL	125.1	12	ASBESTOS CEMENT	756	250.1	432.1			182
10P	728N	LSP	122.3	12	ASBESTOS CEMENT	735	657.3	709.3			52
10S	728X	SIL	197.2	12	ASBESTOS CEMENT	697	320.2	671.2			351
5W	690K	SIL	133.5	12	ASBESTOS CEMENT	364	234.5	338.5			0 (a)
9Y1	727AV	LSP	112.0	12	ASBESTOS CEMENT	713	622.0	687.0			0 (a)
10J	728H	SIL	114.6	12	ASBESTOS CEMENT	403	233.6	376.6			0 (a)
TOTAL Screen Length to be redeveloped											7,610 ft
TOTAL number of wells to be redeveloped											49 wells

(a) Wells to be excluded during FY 05-06 contract period due to recent redevelopment in FY 03-04

**NPDES Permits
And
Discharge Location Maps**



Winston H. Hickox
Secretary for
Environmental
Protection

California Regional Water Quality Control Board

Los Angeles Region

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Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: <http://www.swrcb.ca.gov/rwqcb4>



Gray Davis
Governor

October 28, 2003

Mr. Reza Izada
Water Resources Division
Los Angeles County DPW
900 S. Fremont Avenue
Alhambra, CA 91803-1331

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
CLAIM NO. 7002 2030 0006 2095 0985

Dear Mr. Izada:

CONTINUATION OF COVERAGE UNDER GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT AND WASTE DISCHARGE REQUIREMENTS – LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS, WEST COAST BASIN BARRIER PROJECT, UNIT 1, OAK AVENUE AND WASHINGTON STREET, EL SEGUNDO, CALIFORNIA (NPDES NO. CAG994005, CI-6092)

We have completed our review of your Notice of Intent (NOI) form, and analytical results of representative groundwater samples that you submitted in order to continue enrollment under the General NPDES Permit. Discharge of groundwater generated from redevelopment of the seawater intrusion barrier injection wells at the above-referenced site is currently regulated under NPDES General Permit No. CAG994001 (Order No. 97-045) adopted by this Regional Board on May 12, 1997.

Based on the information provided, we have determined that discharge of groundwater meets the conditions to be regulated under Order No. R4-2003-0108, *General National Pollutant Discharge Elimination System and Waste Discharge Requirements for Discharges of Groundwater from Potable Water Supply Wells to Surface Waters in Coastal Watersheds of Los Angeles and Ventura Counties*, adopted by this Board on August 7, 2003. Your existing enrollment under NPDES Permit No. CAG994001, Order No. 97-045, which was issued to you on June 30, 1997, is superseded by this new permit that terminated your coverage under Order No. 97-045.

Enclosed are your Waste Discharge Requirements, which also serve as your General NPDES Permit, consisting of Order No. R4-2003-0108 and revised Monitoring and Reporting Program No. CI-6092. The discharge limitations in Part E.1. of Order No. R4-2003-0108 for the specific constituents listed on the Fact Sheet are applicable to your discharge. Discharge from the project drains to a coastal stream of Pacific Ocean, therefore, the discharge limitations in Attachment B are not applicable to your discharge.

The Monitoring and Reporting Program requires you to implement the monitoring program on the effective date of coverage under this permit. All monitoring reports should be sent to the Regional Board, ATTN: Information Technology Unit. When submitting monitoring or technical reports to the Regional Board per these requirements, please include a reference to "Compliance File No. CI-6092 and NPDES No. CAG994005", which will assure that the reports are directed to the

California Environmental Protection Agency

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption
For a list of simple ways to reduce demand and cut your energy costs, see the tips at: <http://www.swrcb.ca.gov/news/echallenge.html>



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Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

Mr. Reza Izadi
LA County Department of Public Works
(West Coast Basin Barrier Project, Unit 1)

- 2 -

October 28, 2003

appropriate file and staff. Also, please do not combine your discharge monitoring reports with other reports. Submit each type of report as a separate document.

In order to avoid future annual fees, please submit written notification when the project has been completed and the permit is no longer needed.

We are sending Board Order No. R4-2002-0107 only to the applicant. For those on the mailing list, please refer to the Board Order previously sent to you. A copy of the Order will be furnished to anyone who requests it, or it can be obtained at our web site address: http://www.swrcb.ca.gov/~rwgcb4/html/permits/general_permits.html.

If you have any questions, please contact Dr. James Tang at (213) 576-6696.

Sincerely,



Dennis A. Dickerson
Executive Officer

Enclosures: Fact Sheet
Monitoring and Reporting Program No. 6092
Order No. R4-2003-0108, General NPDES Permit No. CAG994005

cc: Environmental Protection Agency, Region 9, Clean Water Act Standards and
Permits Office (WTR-5)
U.S. Army Corps of Engineers
NOAA, National Marine Fisheries Service
Department of Interior, U.S. Fish and Wildlife Service
James Maughan, Division of Water Quality, State Water Resources Control Board
Michael Lauffer, Office of the Chief Counsel, State Water Resources Control Board
California Department of Health Services, Drinking Water and Field Operations Branch
Department of Fish and Game, Region 5
Los Angeles County, Department of Public Works, Flood Control and Drainage
Los Angeles County, Department of Environmental Programs Division
City of El Segundo, Department of Public Works, Stormwater Management Division

/jt

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Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

**State of California
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
320 West 4th Street, Suite 200, Los Angeles
FACT SHEET
WASTE DISCHARGE REQUIREMENTS
FOR
LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
(West Coast Basin Barrier Project, Unit 1)
NPDES NO. CAG994005
CI-6092**

FACILITY LOCATION

Oak Ave. & Washington Street
El Segundo, CA 90278

FACILITY MAILING ADDRESS

900 S. Fremont Avenue
Alhambra, CA 91803-1331

PROJECT DESCRIPTION

The Los Angeles County Department of Public Works (LADPW) injects freshwater into the local drinking water aquifers to prevent seawater intrusion. LADPW periodically redevelops the injection wells and discharges the wastewater to the storm drain. Project Unit 1 is located at Oak Avenue & Washington Street in City of El Segundo. Well redevelopment water is stored in a 1,500 gallon capacity settling tank then transferred into a 5,000 gallon tank for final clarification and settling to remove solids and floating materials prior to discharge.

VOLUME AND DESCRIPTION OF DISCHARGE

LADPW conducts the well redevelopment approximately once every two years. Discharge during the well redevelopment typically last one to two weeks. Up to 144,000 gallons of groundwater is discharged to two storm drain outfalls. Outfall No. 01 and No. 02 are located at (Latitude 33°55' 34", Longitude 118° 23'53"), and (Latitude 33°55' 47", Longitude 118° 24'03"), respectively. Discharge to the storm drains flow to the L.A. County Flood Control Channel thence to a coastal stream of the Pacific Ocean, a water of the United States. The site location and waste flow diagram are shown as Figures 1 & 2.

APPLICABLE EFFLUENT LIMITATIONS

Based on the information provided, the analytical data did not show reasonable potential for toxics to exist in groundwater above the Screening Levels for Potential Pollutants of Concern in Potable Groundwater in Attachment A. Therefore, the effluent limits for toxic compounds in Section E.2. are not applicable to the discharge. The discharge flows to a coastal stream of the Pacific Ocean; therefore, the discharge limitations in Attachment B are not applicable to the discharge.

Constituents	Units	Discharge Limitations	
		Daily Maximum	Monthly Average
Total Suspended Solids	mg/L	150	50
Turbidity	NTU	150	50
BOD ₅ 20°C	mg/L	30	20
Settleable Solids	ml/L	0.3	0.1
Residual Chlorine	mg/L	0.1	—

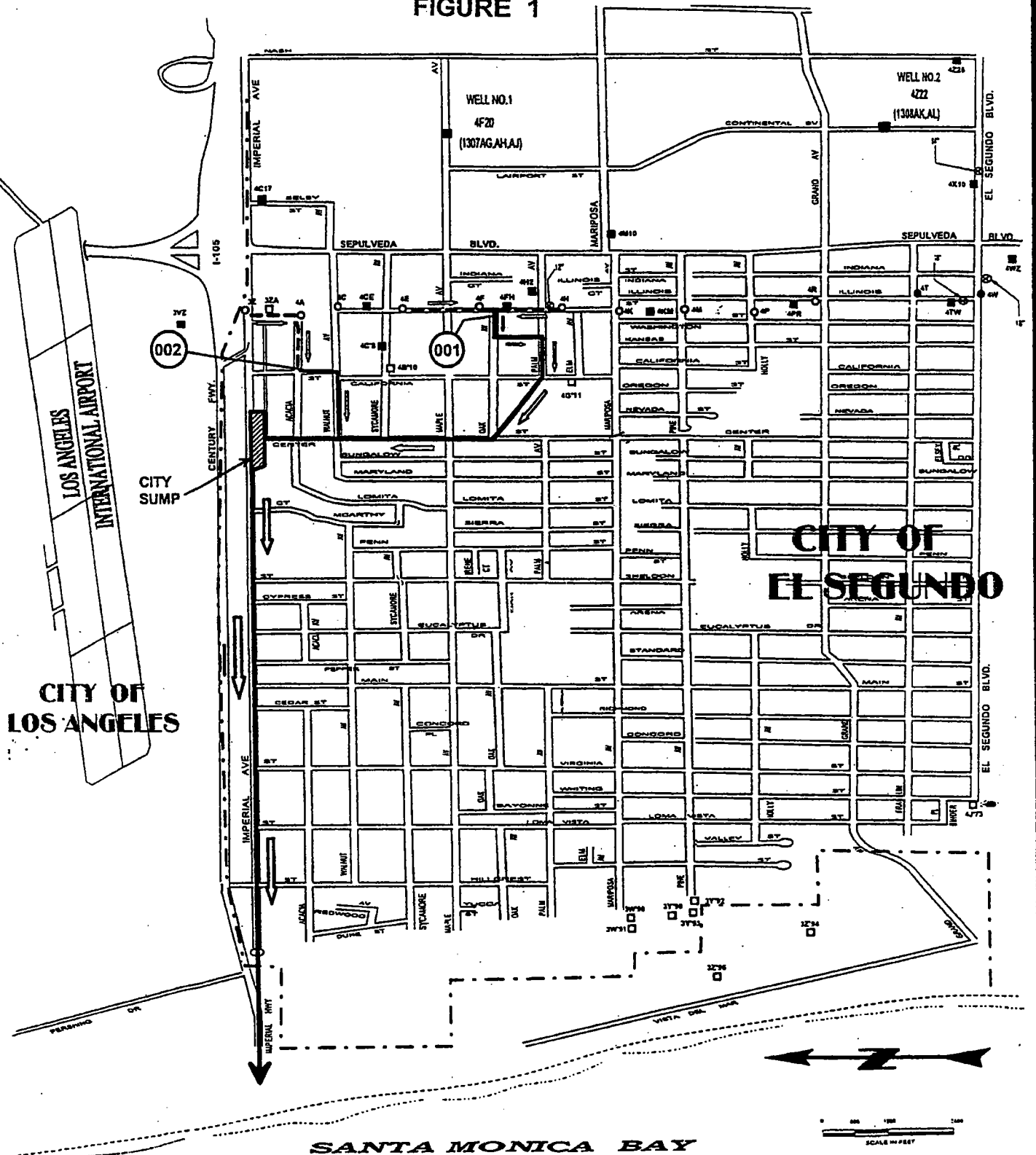
FREQUENCY OF DISCHARGE

The intermittent discharge occurs approximately once every two years.

REUSE OF WATER

There are no feasible reuse options because of the large volume of water that will be discharged over a short period of time. Therefore, the groundwater will be discharged to the stormdrain.

FIGURE 1



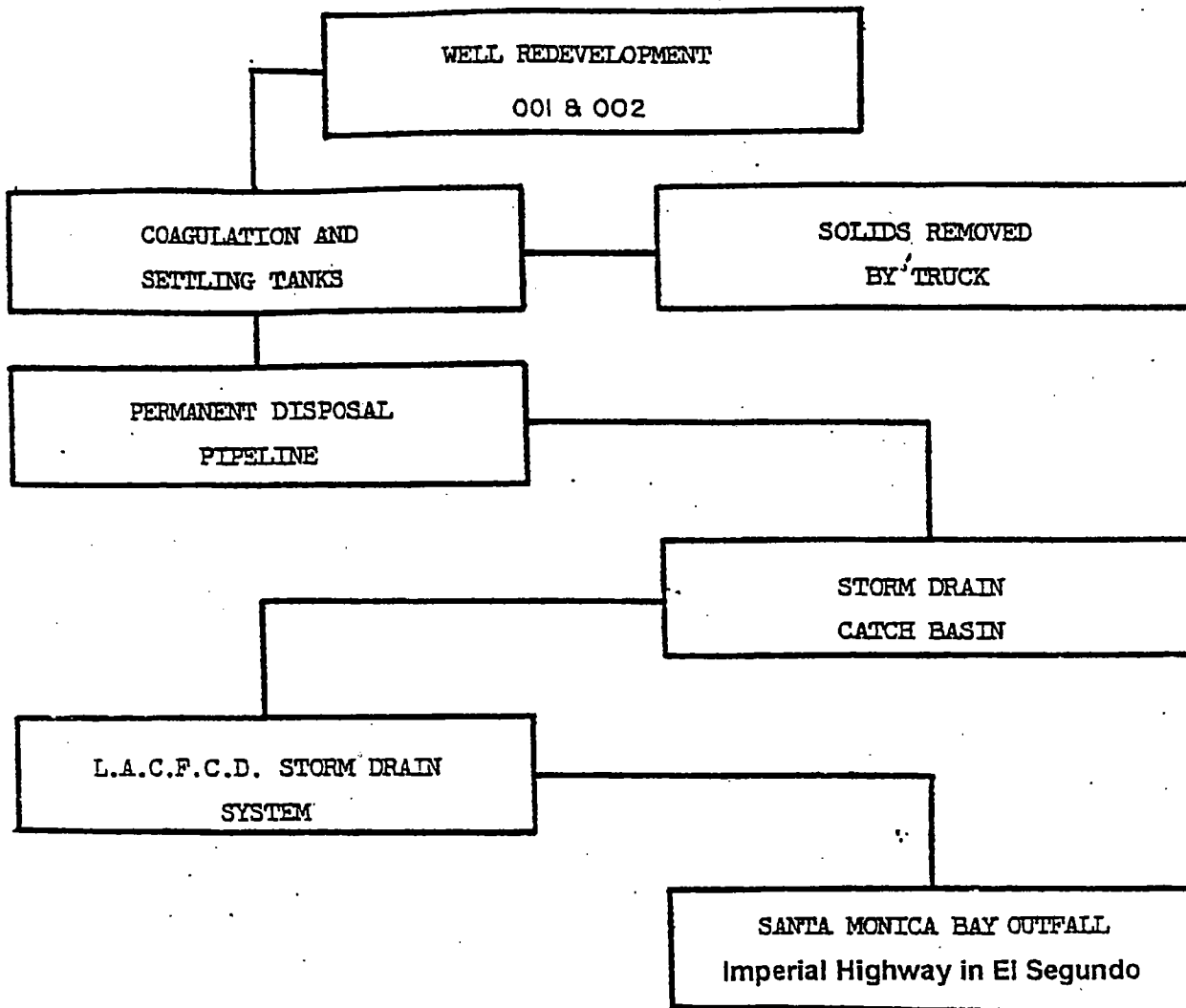
LEGEND

- OBSERVATION WELL
- INJECTION WELL
- MULTIPLE OBS. WELL
- MULTIPLE INJECTION WELL
- ⊕ MAINLINE VALVE
- △ PUMPING WELL (NOT ACTIVE)
- - - L.A.C.F.G.D. PERMANENT DISPOSAL PIPELINE
- STORM DRAIN STORM WATER TRANSPORT SYSTEM - L.A.C.F.G.D. NUMBER
- (N) NPDES - DISCHARGE SERIAL NUMBER



LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
WEST COAST BASIN BARRIER PROJECT
UNIT 1 on Oak & Washington St.
WELL LOCATIONS NPDES - LOCATIONS
CA0994001 / ORDER 97-045 / C10092
DATE: 3-25-02 CHECKED BY: W. F. BAUNDERS SHEET 1 of 1

FIGURE 2



LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

SCHEMATIC OF WATER FLOW WEST COAST BASIN
BARRIER PROJECT CITY OF EL SEGUNDO
LOS ANGELES COUNTY, CALIFORNIA
WELL 3Z TO WELL 4H

CAG994001 / ORDER 97-045 / CI6092

Map By:

WS

Date:

3/13/02

UNIT 1

Oak & Washington St.

**State of California
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION**

**MONITORING AND REPORTING PROGRAM NO. CI-6092
for
LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
(West Coast Basin Barrier Project, Unit 1)
NPDES NO. CAG994005**

I. REPORTING REQUIREMENTS

- A. The discharger shall implement this monitoring program on the effective date of coverage under this permit. The discharger shall submit monitoring reports to this Regional Board by the dates in the following schedule:

<u>Reporting Period</u>	<u>Report Due</u>
January – March	May 15
April – June	August 15
July – September	November 15
October – December	February 15
Annual Summary Report	March 15

- B. The first monitoring report under this Program is due by February 15, 2004. The annual summary report shall contain a discussion of the previous year's effluent monitoring data, as well as graphical and tabular summaries of the data. If there is no discharge during any reporting period, the report shall so state.
- C. All monitoring reports shall include discharge limitations in the Order, tabulated analytical data, the chain of custody form, the analytical laboratory report (including, but not limited to: date and time of sampling, date of analyses, method of analysis, and detection limits), and discharge certification statement.
- D. Each monitoring report shall contain a separate section titled "Summary of Non-Compliance" which discusses the compliance record and corrective actions taken or planned that may be needed to bring the discharge into full compliance with waste discharge requirements. This section shall clearly list all non-compliance with waste discharge requirements, as well as all excursions of effluent limitations.
- E. Before commencing a new discharge, a representative sample of the effluent shall be collected and analyzed for toxicity and for all the constituents listed in the Fact Sheet. The test results must meet all applicable discharge limitations. (This requirement is not necessary for existing discharge)

II. SAMPLE COLLECTION REQUIREMENTS

- A. Daily samples shall be collected each day.
- B. Weekly samples shall be collected on a representative day of each week.
- C. Monthly samples shall be collected on a representative day of each month.
- D. Quarterly samples shall be collected in February, May, August, and November.
- E. Semi-annual samples shall be collected in May and November.
- F. Annual samples shall be collected in November.

III. EFFLUENT MONITORING REQUIREMENTS

- A. Sampling station(s) shall be established for each point of discharge and shall be located where representative samples of that effluent can be obtained. Provisions shall be made to enable visual inspection before discharge. In the event of presence of oil sheen, debris, and/or other objectionable materials or odors, discharge shall not commence until compliance with the requirements is demonstrated. All visual observations shall be included in the monitoring report.
- B. If monitoring results indicate an exceedance of a limit contained in Order No. R4-2003-0108, the discharge shall be terminated and shall only be resumed after remedial measures have been implemented and full compliance with the requirements has been ascertained.
- C. In addition, as applicable, following an effluent limit exceedance, the discharger shall implement the following accelerated monitoring program:
 - 1. Monthly monitoring shall be increased to weekly monitoring.
 - 2. Quarterly monitoring shall be increased to monthly monitoring, and
 - 3. Semi-annually monitoring shall be increased to quarterly.
 - 4. Annually monitoring shall be increased to semi-annually.

If three consecutive accelerated monitoring events demonstrate full compliance with effluent limits, then, the discharger may return to regular monitoring frequency, with the approval of the Executive Officer of the Regional Board.

- D. The following shall constitute the discharge monitoring program:

Constituent	Unit	Type of Sample	Minimum Frequency of Analysis
Total Waste Flow	gal/day	recorder	Continuously
pH	pH unit	grab	once per discharge event
Temperature	°F	grab	once per discharge event
Turbidity	NTU	grab	once per discharge event

Constituent	Unit	Type of Sample	Minimum Frequency of Analysis
Total Suspended Solids	mg/L	grab	once per discharge event
BOD ₅ @ 20°C	mg/L	grab	once per discharge event
Settleable Solids	ml/L	grab	once per discharge event
Residual chlorine	mg/L	grab	once per discharge event
Acute Toxicity	µg/L	grab	annually

IV. EFFLUENT TOXICITY TESTING

- A. The discharger shall conduct acute toxicity tests on 100% effluent grab samples by methods specified in 40 CFR Part 136 which cites USEPA's *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms*, October 2002, (EPA/821-R-02-012) or a more recent edition. Submission of bioassay results should include the information noted on pages 109-113 of the EPA/821-R-02-012 document.
- B. The fathead minnow, *Pimephales promelas*, shall be used as the test species for fresh water discharges and the topsmelt, *Atherinops affinis*, shall be used as the test species for brackish discharges. The method for topsmelt is found in USEPA's *Short Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Marine and Estuarine Organisms*, Third Edition, October 2002 (EPA/821-R-02-014).
- C. If the results of the toxicity test yields a survival of less than 90%, then the frequency of analyses shall increase to monthly until at least three test results have been obtained and full compliance with effluent limitations has been demonstrated, after which the frequency of analyses shall revert to annually. Results of toxicity tests shall be included in the first monitoring report following sampling.

V. GENERAL PROVISIONS FOR REPORTING

- A. The discharger shall inform this Regional Board 24 hours before the start of the discharge.
- B. All chemical, bacteriological, and toxicity analyses shall be conducted at a laboratory certified for such analyses by the California Department of Health Services Environmental laboratory Accreditation Program (ELAP) or approved by the Executive Officer. A copy of the laboratory certification shall be provided with the first monitoring report and each time a new and/or renewal is obtained from ELAP.

- C. Samples must be analyzed within allowable holding times as specified in 40 CFR Part 136.3. Proper chain of custody procedures must be followed and a copy shall be submitted with the report.
- D. As required in Part H.4 of order No. R4-2003-0108, the monitoring report shall specify the USEPA analytical method used, the method detection limit, and the minimum Level for each pollutant.

VI. COMPLIANCE DETERMINATION (AS APPLICABLE)

- A. Compliance with single constituent effluent limitation – If the concentration of the pollutant in the monitoring sample is greater than the effluent limitation and greater than or equal to the reported Minimum Level (see Monitoring and Reporting Requirement Section H.4 of Order No. R4-2003-0108), then the Discharger is out of compliance.
- B. Compliance with monthly average limitations - In determining compliance with monthly average limitations, the following provisions shall apply to all constituents:
 - a. If the analytical result of a single sample, monitored monthly, quarterly, semiannually, or annually, does not exceed the monthly average limit for that constituent, the Discharger has demonstrated compliance with the monthly average limit for that month.
 - b. If the analytical result of a single sample, monitored monthly, quarterly, semiannually, or annually, exceeds the monthly average limit for any constituent, the Discharger shall collect four additional samples at approximately equal intervals during the month. All five analytical results shall be reported in the monitoring report for that month, or 45 days after results for the additional samples were received, whichever is later.

When all sample results are greater than or equal to the reported Minimum Level (see Monitoring and Reporting Requirement Section H.4 of Order No. R4-2003-0108), the numerical average of the analytical results of these five samples will be used for compliance determination.

When one or more sample results are reported as "Not-Detected (ND)" or "Detected, but Not Quantified (DNQ)" (see Monitoring and Reporting Requirement Section H.4 of Order No. R4-2003-0108), the median value of these four samples shall be used for compliance determination. If one or both of the middle values is ND or DNQ, the median shall be the lower of the two middle values.

- c. In the event of noncompliance with a monthly average effluent limitation, the sampling frequency for that constituent shall be increased to weekly and shall continue at this level until compliance with the monthly average effluent limitation has been demonstrated.
 - d. If only one sample was obtained for the month or more than a monthly period and the result exceed the monthly average, then the Discharger is in violation of the monthly average limit.
- C. Compliance with effluent limitations expressed as a sum of several constituents – If the sum of the individual pollutant concentrations is greater than the effluent limitation, then the Discharger is out of compliance. In calculating the sum of the concentrations of a group of pollutants, consider constituents reported as ND or DNQ to have concentrations equal to zero, provided that the applicable ML is used.
- D. Compliance with effluent limitations expressed as a median – in determining compliance with a median limitation, the analytical results in a set of data will be arranged in order of magnitude (either increasing or decreasing order); and
 - a. If the number of measurements (n) is odd, then the median will be calculated as $= X_{(n+1)/2}$, or
 - b. If the number of measurements (n) is even, then the median will be calculated as $= [X_{n/2} + X_{(n/2)+1}]$, i.e. the midpoint between the $n/2$ and $n/2+1$ data points.
- E. In calculating mass emission rates from the monthly average concentrations, use one half of the method detection limit for "Not Detected" (ND) and the estimated concentration for "Detected, but Not Quantified" (DNQ) for the calculation of the monthly average concentration. To be consistent with section VI.C., if all pollutants belonging to the same group are reported as ND or DNQ, the sum of the individual pollutant concentrations should be considered as zero for the calculation of the monthly average concentration.

VI. NOTIFICATION

- A. The discharger shall notify the Executive Officer in writing prior to discharge of any chemical that may be toxic to aquatic life. Such notification shall include:
 - 1. Name and general composition of the chemical,
 - 2. Frequency of use,
 - 3. Quantities to be used,
 - 4. Proposed discharge concentrations, and
 - 5. EPA registration number, if applicable.

Mr. Reza Izada
LA County Department of Public Works
(West Coast Basin Barrier Project, Unit 1)

CI-6092

No discharge of such chemical shall be made prior to obtaining the Executive Officer's approval.

- B. The discharger shall notify the Regional Board via telephone and/or fax within 24 hours of noticing an exceedance above the effluent limits in Order No. R4-2003-0108. The discharger shall provide to the Regional Board within 14 days of observing the exceedance a detailed statement of the actions undertaken or proposed that will bring the discharge into full compliance with the requirements and submit a timetable for correction.

VII. MONITORING FREQUENCIES

Monitoring frequencies may be adjusted by the Executive Officer to a less frequent basis if the Discharger requests same and the request is backed by statistical trends of monitoring data submitted.

Ordered by:



Dennis A. Dickerson
Executive Officer

Date: October 28, 2003

/jt



Winaton H. Hickox
Secretary for
Environmental
Protection

California Regional Water Quality Control Board

Los Angeles Region

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Gray Davis
Governor

October 28, 2003

Mr. Reza Izada
Water Resources Division
Los Angeles County DPW
900 S. Fremont Avenue
Alhambra, CA 91803-1331

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
CLAIM NO. 7002 2030 0006 2095 0992

Dear Mr. Izada:

CONTINUATION OF COVERAGE UNDER GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT AND WASTE DISCHARGE REQUIREMENTS - LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS, WEST COAST BASIN BARRIER PROJECT, UNIT 2, PALM AVENUE AND FLOURNOY ROAD, REDONDO BEACH, CALIFORNIA (NPDES NO. CAG994005, CI-6093)

We have completed our review of your Notice of Intent (NOI) form, and analytical results of representative groundwater samples that you submitted in order to continue enrollment under the General NPDES Permit. Discharge of groundwater generated from redevelopment of the seawater intrusion barrier injection wells at the above-referenced site is currently regulated under NPDES General Permit No. CAG994001 (Order No. 97-045) adopted by this Regional Board on May 12, 1997.

Based on the information provided, we have determined that discharge of groundwater meets the conditions to be regulated under Order No. R4-2003-0108, *General National Pollutant Discharge Elimination System and Waste Discharge Requirements for Discharges of Groundwater from Potable Water Supply Wells to Surface Waters in Coastal Watersheds of Los Angeles and Ventura Counties*, adopted by this Board on August 7, 2003. Your existing enrollment under NPDES Permit No. CAG994001, Order No. 97-045, which was issued to you on June 30, 1997, is superseded by this new permit that terminated your coverage under Order No. 97-045.

Enclosed are your Waste Discharge Requirements, which also serve as your General NPDES Permit, consisting of Order No. R4-2003-0108 and revised Monitoring and Reporting Program No. CI-6093. The discharge limitations in Part E.1. of Order No. R4-2003-0108 for the specific constituents listed on the Fact Sheet are applicable to your discharge. Discharge from the project drains to a coastal stream of the Pacific Ocean, therefore, the discharge limitations in Attachment B are not applicable to your discharge.

The Monitoring and Reporting Program requires you to implement the monitoring program on the effective date of coverage under this permit. All monitoring reports should be sent to the Regional Board, ATTN: Information Technology Unit. When submitting monitoring or technical reports to the Regional Board per these requirements, please include a reference to "Compliance File No. CI-6093 and NPDES No. CAG994005", which will assure that the reports are directed to the

California Environmental Protection Agency

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption
For a list of simple ways to reduce demand and cut your energy costs, see the tips at: <http://www.swrcb.ca.gov/news/echallenge.html>



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Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

Mr. Reza Izadi
LA County Department of Public Works
(West Coast Basin Barrier Project, Unit 2)

- 2 -

October 28, 2003

appropriate file and staff. Also, please do not combine your discharge monitoring reports with other reports. Submit each type of report as a separate document.

In order to avoid future annual fees, please submit written notification when the project has been completed and the permit is no longer needed.

We are sending Board Order No. R4-2002-0107 only to the applicant. For those on the mailing list, please refer to the Board Order previously sent to you. A copy of the Order will be furnished to anyone who requests it, or it can be obtained at our web site address: http://www.swrcb.ca.gov/~rwqcb4/html/permits/general_permits.html.

If you have any questions, please contact Dr. James Tang at (213) 576-6696.

Sincerely,



Dennis A. Dickerson
Executive Officer

Enclosures: Fact Sheet
Monitoring and Reporting Program No. 6093
Order No. R4-2003-0108, General NPDES Permit No. CAG994005

cc: Environmental Protection Agency, Region 9, Clean Water Act Standards and
Permits Office (WTR-5)
U.S. Army Corps of Engineers
NOAA, National Marine Fisheries Service
Department of Interior, U.S. Fish and Wildlife Service
James Maughan, Division of Water Quality, State Water Resources Control Board
Michael Lauffer, Office of the Chief Counsel, State Water Resources Control Board
California Department of Health Services, Drinking Water and Field Operations Branch
Department of Fish and Game, Region 5
Los Angeles County, Department of Public Works, Flood Control and Drainage
Los Angeles County, Department of Environmental Programs Division
City of Redondo Beach, Department of Public Works, Stormwater Management Division

/jt

California Environmental Protection Agency

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For a list of simple ways to reduce demand and cut your energy costs, see the tips at: <http://www.swrcb.ca.gov/news/echallenge.html>



Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

**State of California
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
320 West 4th Street, Suite 200, Los Angeles
FACT SHEET
WASTE DISCHARGE REQUIREMENTS
FOR
LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
(West Coast Basin Barrier Project, Unit 2)
NPDES NO. CAG994005
CI-6093**

FACILITY LOCATION

Palm Ave. & Flournoy Road
Redondo Beach, CA 90278

FACILITY MAILING ADDRESS

900 S. Fremont Avenue
Alhambra, CA 91803-1331

PROJECT DESCRIPTION

The Los Angeles County Department of Public Works (LADPW) injects freshwater into the local drinking water aquifers to prevent seawater intrusion. LADPW periodically redevelops the injection wells and discharges the wastewater to the storm drain. Project Unit 2 is located at Palm Avenue & Flournoy Road in City of Redondo Beach. Well redevelopment water is stored in a 1,500 gallon capacity settling tank then transferred into a 5,000 gallon tank for final clarification and settling to remove solids and floating materials prior to discharge.

VOLUME AND DESCRIPTION OF DISCHARGE

LADPW conducts the well redevelopment project approximately once every two years. Discharge during the well redevelopment typically last one to two weeks. Up to 144,000 gallons of groundwater is discharged to two storm drain outfalls. Outfall No. 01 and No. 02 are located at (Latitude 33°55' 45", Longitude 118° 24'03"), and (Latitude 33°55' 36", Longitude 118° 18'08"), respectively. Discharge to the storm drains flow to the L.A. County Flood Control Channel thence to a coastal stream of the Pacific Ocean, a water of the United States. The site location and waste flow diagram are shown as Figures 1 & 2.

APPLICABLE EFFLUENT LIMITATIONS

Based on the information provided, the analytical data did not show reasonable potential for toxics to exist in groundwater above the Screening Levels for Potential Pollutants of Concern in Potable Groundwater in Attachment A. Therefore, the effluent limits for toxic compounds in Section E.2. are not applicable to the discharge. The discharge flows to a coastal stream of the Pacific Ocean; therefore, the discharge limitations in Attachment B are not applicable to the discharge.

This table lists the specific constituents and effluent limitations applicable to the discharge.

Constituents	Units	Discharge Limitations	
		Daily Maximum	Monthly Average
Total Suspended Solids	mg/L	150	50
Turbidity	NTU	150	50
BOD ₅ 20°C	mg/L	30	20
Settleable Solids	ml/L	0.3	0.1
Residual Chlorine	mg/L	0.1	—

FREQUENCY OF DISCHARGE

The intermittent discharge occurs approximately once every two years.

REUSE OF WATER

There are no feasible reuse options because of the large volume of water that will be discharged over a short period of time. Therefore, the groundwater will be discharged to the stormdrain.

FIGURE 1

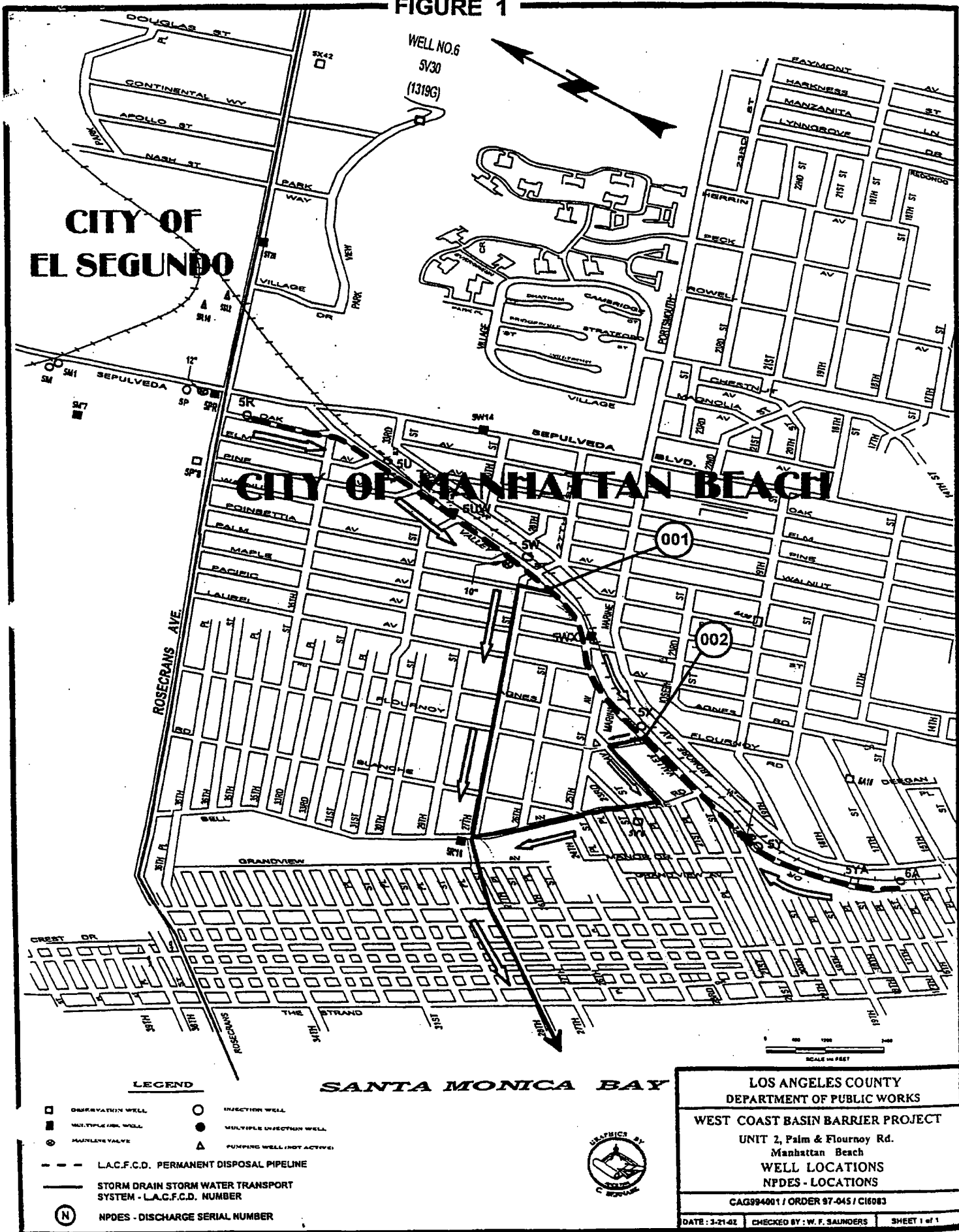
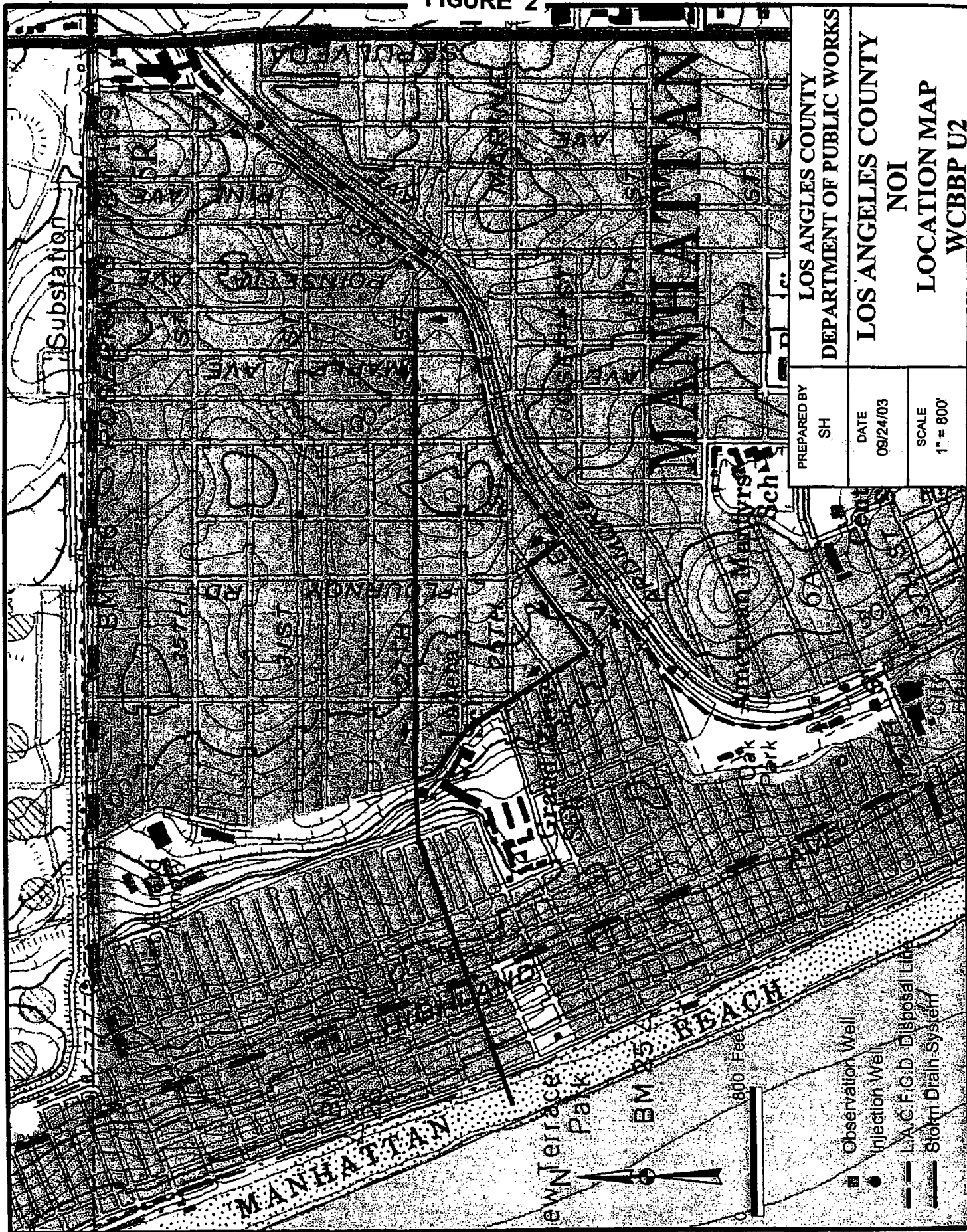


FIGURE 2



**State of California
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION**

**MONITORING AND REPORTING PROGRAM NO. CI-6093
for
LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
(West Coast Basin Barrier Project, Unit 2)
NPDES NO. CAG994005**

I. REPORTING REQUIREMENTS

- A. The discharger shall implement this monitoring program on the effective date of coverage under this permit. The discharger shall submit monitoring reports to this Regional Board by the dates in the following schedule:

<u>Reporting Period</u>	<u>Report Due</u>
January – March	May 15
April – June	August 15
July – September	November 15
October – December	February 15
Annual Summary Report	March 15

- B. The first monitoring report under this Program is due by February 15, 2004. The annual summary report shall contain a discussion of the previous year's effluent monitoring data, as well as graphical and tabular summaries of the data. If there is no discharge during any reporting period, the report shall so state.
- C. All monitoring reports shall include discharge limitations in the Order, tabulated analytical data, the chain of custody form, the analytical laboratory report (including, but not limited to: date and time of sampling, date of analyses, method of analysis, and detection limits), and discharge certification statement.
- D. Each monitoring report shall contain a separate section titled "Summary of Non-Compliance" which discusses the compliance record and corrective actions taken or planned that may be needed to bring the discharge into full compliance with waste discharge requirements. This section shall clearly list all non-compliance with waste discharge requirements, as well as all excursions of effluent limitations.
- E. Before commencing a new discharge, a representative sample of the effluent shall be collected and analyzed for toxicity and for all the constituents listed in the Fact Sheet. The test results must meet all applicable discharge limitations. (This requirement is not necessary for existing discharge)

II. SAMPLE COLLECTION REQUIREMENTS

- A. Daily samples shall be collected each day.
- B. Weekly samples shall be collected on a representative day of each week.
- C. Monthly samples shall be collected on a representative day of each month.
- D. Quarterly samples shall be collected in February, May, August, and November.
- E. Semi-annual samples shall be collected in May and November.
- F. Annual samples shall be collected in November.

III. EFFLUENT MONITORING REQUIREMENTS

- A. Sampling station(s) shall be established for each point of discharge and shall be located where representative samples of that effluent can be obtained. Provisions shall be made to enable visual inspection before discharge. In the event of presence of oil sheen, debris, and/or other objectionable materials or odors, discharge shall not commence until compliance with the requirements is demonstrated. All visual observations shall be included in the monitoring report.
- B. If monitoring results indicate an exceedance of a limit contained in Order No. R4-2003-0108, the discharge shall be terminated and shall only be resumed after remedial measures have been implemented and full compliance with the requirements has been ascertained.
- C. In addition, as applicable, following an effluent limit exceedance, the discharger shall implement the following accelerated monitoring program:
 - 1. Monthly monitoring shall be increased to weekly monitoring.
 - 2. Quarterly monitoring shall be increased to monthly monitoring, and
 - 3. Semi-annually monitoring shall be increased to quarterly.
 - 4. Annually monitoring shall be increased to semi-annually.

If three consecutive accelerated monitoring events demonstrate full compliance with effluent limits, then, the discharger may return to regular monitoring frequency, with the approval of the Executive Officer of the Regional Board.

- D. The following shall constitute the discharge monitoring program:

Constituent	Unit	Type of Sample	Minimum Frequency of Analysis
Total Waste Flow	gal/day	recorder	continuously
pH	pH unit	grab	once per discharge event
Temperature	°F	grab	once per discharge event

Mr. Reza Izada
LA County Department of Public Works
(West Coast Basin Barrier Project, Unit 2)

CI-6093

one test per each unit area

Constituent	Unit	Type of Sample	Minimum Frequency of Analysis
Turbidity	NTU	grab	once per discharge event
Total Suspended Solids	mg/L	grab	once per discharge event
BOD ₅ @ 20°C	mg/L	grab	once per discharge event
Settleable Solids	ml/L	grab	once per discharge event
Residual chlorine	mg/L	grab	once per discharge event
Acute Toxicity	µg/L	grab	annually

IV. EFFLUENT TOXICITY TESTING

- A. The discharger shall conduct acute toxicity tests on 100% effluent grab samples by methods specified in 40 CFR Part 136 which cites USEPA's *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms*, October 2002, (EPA/821-R-02-012) or a more recent edition. Submission of bioassay results should include the information noted on pages 109-113 of the EPA/821-R-02-012 document.
- B. The fathead minnow, *Pimephales promelas*, shall be used as the test species for fresh water discharges and the topsmelt, *Atherinops affinis*, shall be used as the test species for brackish discharges. The method for topsmelt is found in USEPA's *Short Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Marine and Estuarine Organisms*, Third Edition, October 2002 (EPA/821-R-02-014).
- C. If the results of the toxicity test yields a survival of less than 90%, then the frequency of analyses shall increase to monthly until at least three test results have been obtained and full compliance with effluent limitations has been demonstrated, after which the frequency of analyses shall revert to annually. Results of toxicity tests shall be included in the first monitoring report following sampling.

V. GENERAL PROVISIONS FOR REPORTING

- A. The discharger shall inform this Regional Board 24 hours before the start of the discharge.
- B. All chemical, bacteriological, and toxicity analyses shall be conducted at a laboratory certified for such analyses by the California Department of Health Services Environmental laboratory Accreditation Program (ELAP) or approved by the Executive Officer. A copy of the laboratory certification shall be provided with the first monitoring report and each time a new and/or renewal is obtained from ELAP.

- C. Samples must be analyzed within allowable holding times as specified in 40 CFR Part 136.3. Proper chain of custody procedures must be followed and a copy shall be submitted with the report.
- D. As required in Part H.4 of order No. R4-2003-0108, the monitoring report shall specify the USEPA analytical method used, the method detection limit, and the minimum Level for each pollutant.

VI. COMPLIANCE DETERMINATION (AS APPLICABLE)

- A. Compliance with single constituent effluent limitation – If the concentration of the pollutant in the monitoring sample is greater than the effluent limitation and greater than or equal to the reported Minimum Level (see Monitoring and Reporting Requirement Section H.4 of Order No. R4-2003-0108), then the Discharger is out of compliance.
- B. Compliance with monthly average limitations - In determining compliance with monthly average limitations, the following provisions shall apply to all constituents:
 - a. If the analytical result of a single sample, monitored monthly, quarterly, semiannually, or annually, does not exceed the monthly average limit for that constituent, the Discharger has demonstrated compliance with the monthly average limit for that month.
 - b. If the analytical result of a single sample, monitored monthly, quarterly, semiannually, or annually, exceeds the monthly average limit for any constituent, the Discharger shall collect four additional samples at approximately equal intervals during the month. All five analytical results shall be reported in the monitoring report for that month, or 45 days after results for the additional samples were received, whichever is later.

When all sample results are greater than or equal to the reported Minimum Level (see Monitoring and Reporting Requirement Section H.4 of Order No. R4-2003-0108), the numerical average of the analytical results of these five samples will be used for compliance determination.

When one or more sample results are reported as "Not-Detected (ND)" or "Detected, but Not Quantified (DNQ)" (see Monitoring and Reporting Requirement Section H.4 of Order No. R4-2003-0108), the median value of these four samples shall be used for compliance determination. If one or both of the middle values is ND or DNQ, the median shall be the lower of the two middle values.

- c. In the event of noncompliance with a monthly average effluent limitation, the sampling frequency for that constituent shall be increased to weekly and shall continue at this level until compliance with the monthly average effluent limitation has been demonstrated.
 - d. If only one sample was obtained for the month or more than a monthly period and the result exceed the monthly average, then the Discharger is in violation of the monthly average limit.
- C. Compliance with effluent limitations expressed as a sum of several constituents – If the sum of the individual pollutant concentrations is greater than the effluent limitation, then the Discharger is out of compliance. In calculating the sum of the concentrations of a group of pollutants, consider constituents reported as ND or DNQ to have concentrations equal to zero, provided that the applicable ML is used.
- D. Compliance with effluent limitations expressed as a median – in determining compliance with a median limitation, the analytical results in a set of data will be arranged in order of magnitude (either increasing or decreasing order); and
 - a. If the number of measurements (n) is odd, then the median will be calculated as $X_{(n+1)/2}$, or
 - b. If the number of measurements (n) is even, then the median will be calculated as $[X_{n/2} + X_{(n/2)+1}]$, i.e. the midpoint between the $n/2$ and $n/2+1$ data points.
- E. In calculating mass emission rates from the monthly average concentrations, use one half of the method detection limit for "Not Detected" (ND) and the estimated concentration for "Detected, but Not Quantified" (DNQ) for the calculation of the monthly average concentration. To be consistent with section VI.C., if all pollutants belonging to the same group are reported as ND or DNQ, the sum of the individual pollutant concentrations should be considered as zero for the calculation of the monthly average concentration.

VI. NOTIFICATION

- A. The discharger shall notify the Executive Officer in writing prior to discharge of any chemical that may be toxic to aquatic life. Such notification shall include:
 - 1. Name and general composition of the chemical,
 - 2. Frequency of use,
 - 3. Quantities to be used,
 - 4. Proposed discharge concentrations, and
 - 5. EPA registration number, if applicable.

Mr. Reza Izada
LA County Department of Public Works
(West Coast Basin Barrier Project, Unit 2)

CI-6093


No discharge of such chemical shall be made prior to obtaining the Executive Officer's approval.

- B. The discharger shall notify the Regional Board via telephone and/or fax within 24 hours of noticing an exceedance above the effluent limits in Order No. R4-2003-0108. The discharger shall provide to the Regional Board within 14 days of observing the exceedance a detailed statement of the actions undertaken or proposed that will bring the discharge into full compliance with the requirements and submit a timetable for correction.

VII. MONITORING FREQUENCIES

Monitoring frequencies may be adjusted by the Executive Officer to a less frequent basis if the Discharger requests same and the request is backed by statistical trends of monitoring data submitted.

Ordered by:


Dennis A. Dickerson
Executive Officer

Date: October 28, 2003

/jt



Winston H. Hickox
Secretary for
Environmental
Protection

California Regional Water Quality Control Board Los Angeles Region

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Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: <http://www.swrcb.ca.gov/rwqcb4>



Gray Davis
Governor

October 29, 2003

Mr. Reza Izada
Water Resources Division
Los Angeles County DPW
900 S. Fremont Avenue
Alhambra, CA 91803-1331

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
CLAIM NO. 7002 2030 0006 2095 1005

Dear Mr. Izada:

CONTINUATION OF COVERAGE UNDER GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT AND WASTE DISCHARGE REQUIREMENTS - LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS, WEST COAST BASIN BARRIER PROJECT, UNIT 3 & 4, VALLEY DRIVE, MANHATTAN BEACH, CALIFORNIA (NPDES NO. CAG994005, CI-6094)

We have completed our review of your Notice of Intent (NOI) form, and analytical results of representative groundwater samples that you submitted in order to continue enrollment under the General NPDES Permit. Discharge of groundwater generated from redevelopment of the seawater intrusion barrier injection wells at the above-referenced site is currently regulated under NPDES General Permit No. CAG994001 (Order No. 97-045) adopted by this Regional Board on May 12, 1997.

Based on the information provided, we have determined that discharge of groundwater meets the conditions to be regulated under Order No. R4-2003-0108, *General National Pollutant Discharge Elimination System and Waste Discharge Requirements for Discharges of Groundwater from Potable Water Supply Wells to Surface Waters in Coastal Watersheds of Los Angeles and Ventura Counties*, adopted by this Board on August 7, 2003. Your existing enrollment under NPDES Permit No. CAG994001, Order No. 97-045, which was issued to you on June 30, 1997, is superseded by this new permit that terminated your coverage under Order No. 97-045.

Enclosed are your Waste Discharge Requirements, which also serve as your General NPDES Permit, consisting of Order No. R4-2003-0108 and revised Monitoring and Reporting Program No. CI-6094. The discharge limitations in Part E.1. of Order No. R4-2003-0108 for the specific constituents listed on the Fact Sheet are applicable to your discharge. Discharge from the project drains to a coastal stream of Pacific Ocean, therefore, the discharge limitations in Attachment B are not applicable to your discharge.

The Monitoring and Reporting Program requires you to implement the monitoring program on the effective date of coverage under this permit. All monitoring reports should be sent to the Regional Board, ATTN: Information Technology Unit. When submitting monitoring or technical reports to the Regional Board per these requirements, please include a reference to "Compliance File No. CI-6094 and NPDES No. CAG994005", which will assure that the reports are directed to the

California Environmental Protection Agency

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption
For a list of simple ways to reduce demand and cut your energy costs, see the tips at: <http://www.swrcb.ca.gov/news/echallenge.html>



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Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

Mr. Reza Izadi
LA County Department of Public Works
(West Coast Basin Barrier Project, Unit 3 & 4)

- 2 -

October 29, 2003

appropriate file and staff. Also, please do not combine your discharge monitoring reports with other reports. Submit each type of report as a separate document.

In order to avoid future annual fees, please submit written notification when the project has been completed and the permit is no longer needed.

We are sending Board Order No. R4-2002-0108 only to the applicant. For those on the mailing list, please refer to the Board Order previously sent to you. A copy of the Order will be furnished to anyone who requests it, or it can be obtained at our web site address: http://www.swrcb.ca.gov/~rwgcb4/html/permits/general_permits.html.

If you have any questions, please contact Dr. James Tang at (213) 576-6696.

Sincerely,



Dennis A. Dickerson
Executive Officer

Enclosures: Fact Sheet
Monitoring and Reporting Program No. 6094
Order No. R4-2003-0108, General NPDES Permit No. CAG994005

cc: Environmental Protection Agency, Region 9, Clean Water Act Standards and
Permits Office (WTR-5)
U.S. Army Corps of Engineers
NOAA, National Marine Fisheries Service
Department of Interior, U.S. Fish and Wildlife Service
James Maughan, Division of Water Quality, State Water Resources Control Board
Michael Lauffer, Office of the Chief Counsel, State Water Resources Control Board
California Department of Health Services, Drinking Water and Field Operations Branch
Department of Fish and Game, Region 5
Los Angeles County, Department of Public Works, Flood Control and Drainage
Los Angeles County, Department of Environmental Programs Division
City of Manhattan Beach, Department of Public Works

/jt

California Environmental Protection Agency

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For a list of simple ways to reduce demand and cut your energy costs, see the tips at: <http://www.swrcb.ca.gov/news/echallenge.html>



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**State of California
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
320 West 4th Street, Suite 200, Los Angeles
FACT SHEET
WASTE DISCHARGE REQUIREMENTS
FOR
LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
(West Coast Basin Barrier Project, Unit 3 & 4)
NPDES NO. CAG994005
CI-6094**

FACILITY LOCATION

Valley Drive
Manhattan Beach, CA

FACILITY MAILING ADDRESS

900 S. Fremont Avenue
Alhambra, CA 91803-1331

PROJECT DESCRIPTION

The Los Angeles County Department of Public Works (LADPW) injects freshwater into the local drinking water aquifers to prevent seawater intrusion. LADPW periodically redevelops the injection wells and discharges the wastewater to the storm drain. Project Unit 3 & 4 are located at Valley Drive in City of Manhattan Beach. Well redevelopment water is stored in a 1,500 gallon capacity settling tank then transferred into a 5,000 gallon tank for final clarification and settling to remove solids and floating materials prior to discharge.

VOLUME AND DESCRIPTION OF DISCHARGE

LADPW conducts the well redevelopment approximately once every two years. Discharge during the well redevelopment typically last one to two weeks. Up to 144,000 gallons of groundwater is discharged to various storm drain outfalls.

<u>Outfall</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Receiving Waterbody</u>
#1	33°53'11"	118°24'33"	Pacific Ocean
#2	33°52'27"	118°23'53"	Pacific Ocean
#3	33°52'11"	118°23'47"	Pacific Ocean
#4	33°51'05"	118°23'44"	Pacific Ocean
#5	33°51'57"	118°23'40"	Pacific Ocean
#6	33°51'56"	118°23'27"	Pacific Ocean
#7	33°51'04"	118°23'27"	Pacific Ocean

Discharge to the storm drains flow to the coastal stream of the Pacific Ocean, a water of the United States. The site location and waste flow diagram are shown as Figures 1 & 2.

APPLICABLE EFFLUENT LIMITATIONS

Based on the information provided, the analytical data did not show reasonable potential for toxics to exist in groundwater above the Screening Levels for Potential Pollutants of Concern

in Potable Groundwater in Attachment A. Therefore, the effluent limits for toxic compounds in Section E.2. are not applicable to the discharge. The discharge flows to a coastal stream of the Pacific Ocean; therefore, the discharge limitations in Attachment B are not applicable to the discharge.

This table lists the specific constituents and effluent limitations applicable to the discharge.

Constituents	Units	Discharge Limitations	
		Daily Maximum	Monthly Average
Total Suspended Solids	mg/L	150	50
Turbidity	NTU	150	50
BOD ₅ 20°C	mg/L	30	20
Settleable Solids	ml/L	0.3	0.1
Residual Chlorine	mg/L	0.1	---

FREQUENCY OF DISCHARGE

The intermittent discharge occurs approximately once every two years.

REUSE OF WATER

There are no feasible reuse options because of the large volume of water that will be discharged over a short period of time. Therefore, the groundwater will be discharged to the stormdrain.

FIGURE 1

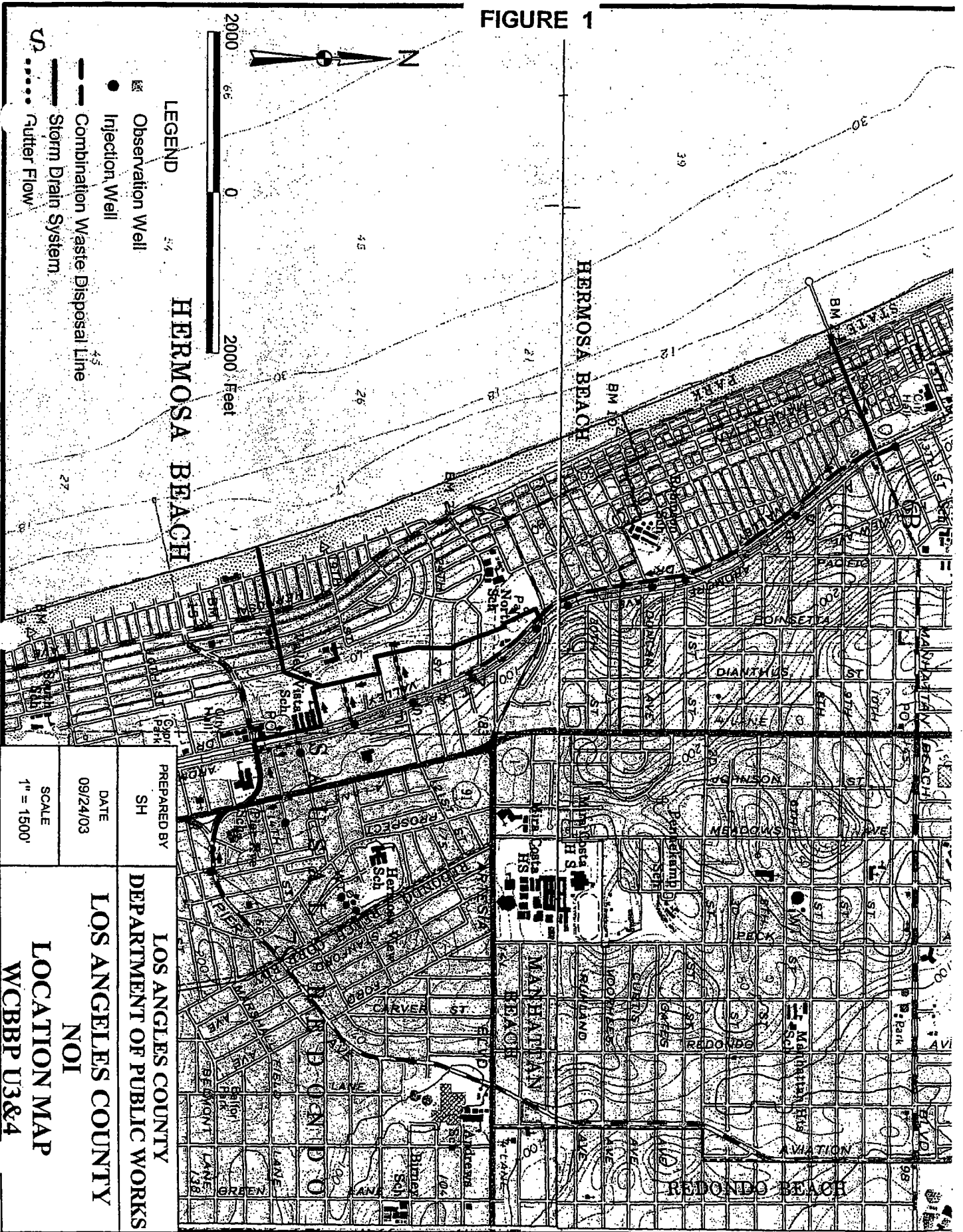
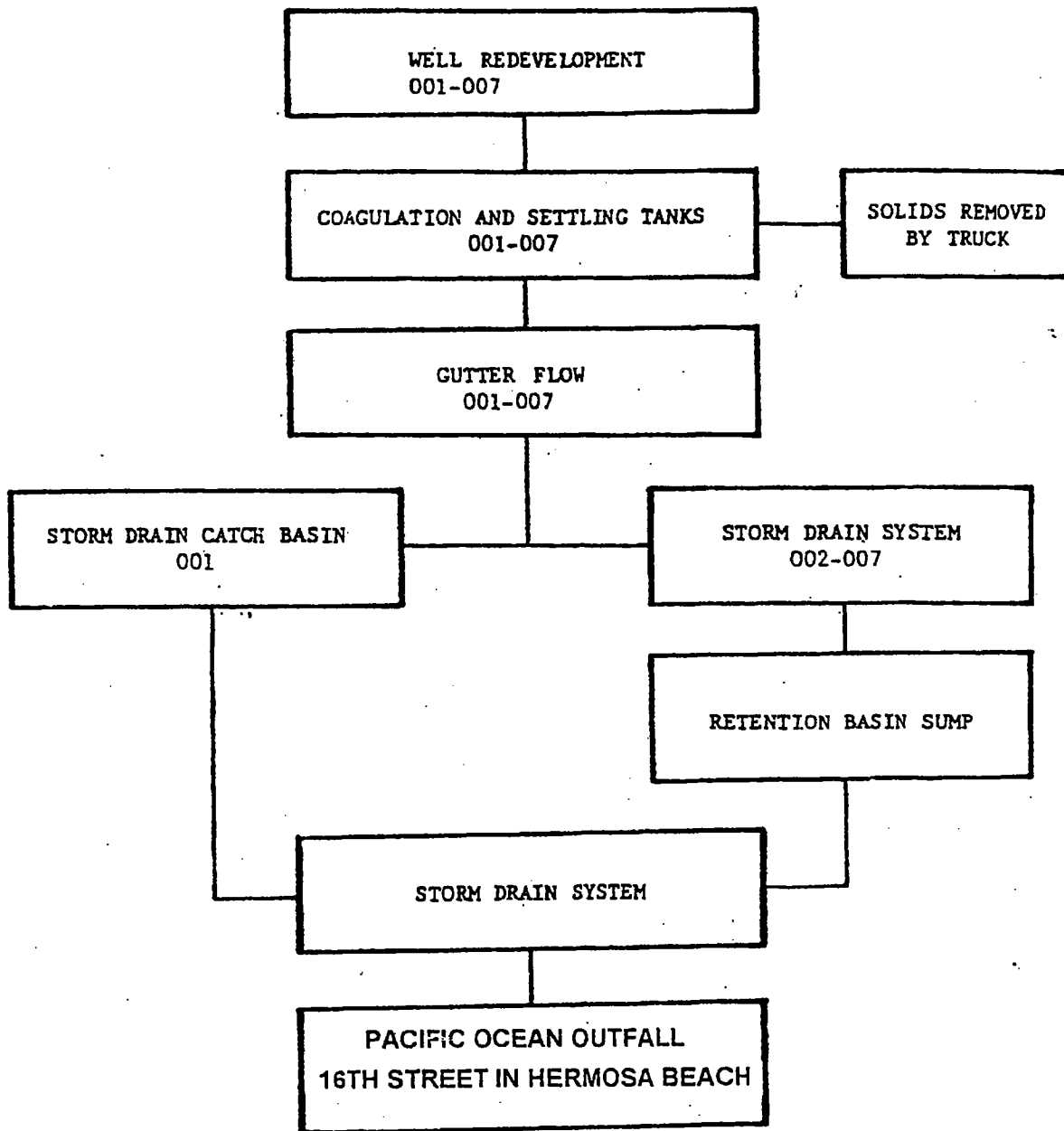


FIGURE 2



WELL 6B TO WELL 7S

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

SCHEMATIC OF WATER FLOW
WEST COAST BASIN BARRIER PROJECT
CITY OF MANHATTAN BEACH
LOS ANGELES COUNTY, CALIFORNIA

Map By:
WS

Date:
3/13/02

Units 3&4 Valley Drive

**State of California
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION**

**MONITORING AND REPORTING PROGRAM NO. CI-6094
for
LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
(West Coast Basin Barrier Project, Unit 3 & 4)
NPDES NO. CAG994005**

I. REPORTING REQUIREMENTS

- A. The discharger shall implement this monitoring program on the effective date of coverage under this permit. The discharger shall submit monitoring reports to this Regional Board by the dates in the following schedule:

<u>Reporting Period</u>	<u>Report Due</u>
January – March	May 15
April – June	August 15
July – September	November 15
October – December	February 15
Annual Summary Report	March 15

- B. The first monitoring report under this Program is due by February 15, 2004. The annual summary report shall contain a discussion of the previous year's effluent monitoring data, as well as graphical and tabular summaries of the data. If there is no discharge during any reporting period, the report shall so state.
- C. All monitoring reports shall include discharge limitations in the Order, tabulated analytical data, the chain of custody form, the analytical laboratory report (including, but not limited to: date and time of sampling, date of analyses, method of analysis, and detection limits), and discharge certification statement.
- D. Each monitoring report shall contain a separate section titled "Summary of Non-Compliance" which discusses the compliance record and corrective actions taken or planned that may be needed to bring the discharge into full compliance with waste discharge requirements. This section shall clearly list all non-compliance with waste discharge requirements, as well as all excursions of effluent limitations.
- E. Before commencing a new discharge, a representative sample of the effluent shall be collected and analyzed for toxicity and for all the constituents listed in the Fact Sheet. The test results must meet all applicable discharge limitations. (This requirement is not necessary for existing discharge)

II. SAMPLE COLLECTION REQUIREMENTS

- A. Daily samples shall be collected each day.
- B. Weekly samples shall be collected on a representative day of each week.
- C. Monthly samples shall be collected on a representative day of each month.
- D. Quarterly samples shall be collected in February, May, August, and November.
- E. Semi-annual samples shall be collected in May and November.
- F. Annual samples shall be collected in November.

III. EFFLUENT MONITORING REQUIREMENTS

- A. Sampling station(s) shall be established for each point of discharge and shall be located where representative samples of that effluent can be obtained. Provisions shall be made to enable visual inspection before discharge. In the event of presence of oil sheen, debris, and/or other objectionable materials or odors, discharge shall not commence until compliance with the requirements is demonstrated. All visual observations shall be included in the monitoring report.
- B. If monitoring results indicate an exceedance of a limit contained in Order No. R4-2003-0108, the discharge shall be terminated and shall only be resumed after remedial measures have been implemented and full compliance with the requirements has been ascertained.
- C. In addition, as applicable, following an effluent limit exceedance, the discharger shall implement the following accelerated monitoring program:
 - 1. Monthly monitoring shall be increased to weekly monitoring.
 - 2. Quarterly monitoring shall be increased to monthly monitoring, and
 - 3. Semi-annually monitoring shall be increased to quarterly.
 - 4. Annually monitoring shall be increased to semi-annually.

If three consecutive accelerated monitoring events demonstrate full compliance with effluent limits, then, the discharger may return to regular monitoring frequency, with the approval of the Executive Officer of the Regional Board.

- D. The following shall constitute the discharge monitoring program:

Constituent	Unit	Type of Sample	Minimum Frequency of Analysis
Total Waste Flow	gal/day	recorder	Continuously
pH	pH unit	grab	once per discharge event
Temperature	°F	grab	once per discharge event
Turbidity	NTU	grab	once per discharge event

Constituent	Unit	Type of Sample	Minimum Frequency of Analysis
Total Suspended Solids	mg/L	grab	once per discharge event
BOD ₅ @ 20°C	mg/L	grab	once per discharge event
Settleable Solids	ml/L	grab	once per discharge event
Residual chlorine	mg/L	grab	once per discharge event
Acute Toxicity	µg/L	grab	annually

IV. EFFLUENT TOXICITY TESTING

- A. The discharger shall conduct acute toxicity tests on 100% effluent grab samples by methods specified in 40 CFR Part 136 which cites USEPA's *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms*, October 2002, (EPA/821-R-02-012) or a more recent edition. Submission of bioassay results should include the information noted on pages 109-113 of the EPA/821-R-02-012 document.
- B. The fathead minnow, *Pimephales promelas*, shall be used as the test species for fresh water discharges and the topsmelt, *Atherinops affinis*, shall be used as the test species for brackish discharges. The method for topsmelt is found in USEPA's *Short Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Marine and Estuarine Organisms*, Third Edition, October 2002 (EPA/821-R-02-014).
- C. If the results of the toxicity test yields a survival of less than 90%, then the frequency of analyses shall increase to monthly until at least three test results have been obtained and full compliance with effluent limitations has been demonstrated, after which the frequency of analyses shall revert to annually. Results of toxicity tests shall be included in the first monitoring report following sampling.

V. GENERAL PROVISIONS FOR REPORTING

- A. The discharger shall inform this Regional Board 24 hours before the start of the discharge.
- B. All chemical, bacteriological, and toxicity analyses shall be conducted at a laboratory certified for such analyses by the California Department of Health Services Environmental laboratory Accreditation Program (ELAP) or approved by the Executive Officer. A copy of the laboratory certification shall be provided with the first monitoring report and each time a new and/or renewal is obtained from ELAP.

- C. Samples must be analyzed within allowable holding times as specified in 40 CFR Part 136.3. Proper chain of custody procedures must be followed and a copy shall be submitted with the report.
- D. As required in Part H.4 of order No. R4-2003-0108, the monitoring report shall specify the USEPA analytical method used, the method detection limit, and the minimum Level for each pollutant.

VI. COMPLIANCE DETERMINATION (AS APPLICABLE)

- A. Compliance with single constituent effluent limitation – If the concentration of the pollutant in the monitoring sample is greater than the effluent limitation and greater than or equal to the reported Minimum Level (see Monitoring and Reporting Requirement Section H.4 of Order No. R4-2003-0108), then the Discharger is out of compliance.
- B. Compliance with monthly average limitations - In determining compliance with monthly average limitations, the following provisions shall apply to all constituents:
 - a. If the analytical result of a single sample, monitored monthly, quarterly, semiannually, or annually, does not exceed the monthly average limit for that constituent, the Discharger has demonstrated compliance with the monthly average limit for that month.
 - b. If the analytical result of a single sample, monitored monthly, quarterly, semiannually, or annually, exceeds the monthly average limit for any constituent, the Discharger shall collect four additional samples at approximately equal intervals during the month. All five analytical results shall be reported in the monitoring report for that month, or 45 days after results for the additional samples were received, whichever is later.

When all sample results are greater than or equal to the reported Minimum Level (see Monitoring and Reporting Requirement Section H.4 of Order No. R4-2003-0108), the numerical average of the analytical results of these five samples will be used for compliance determination.

When one or more sample results are reported as "Not-Detected (ND)" or "Detected, but Not Quantified (DNQ)" (see Monitoring and Reporting Requirement Section H.4 of Order No. R4-2003-0108), the median value of these four samples shall be used for compliance determination. If one or both of the middle values is ND or DNQ, the median shall be the lower of the two middle values.

- c. In the event of noncompliance with a monthly average effluent limitation, the sampling frequency for that constituent shall be increased to weekly and shall continue at this level until compliance with the monthly average effluent limitation has been demonstrated.
 - d. If only one sample was obtained for the month or more than a monthly period and the result exceed the monthly average, then the Discharger is in violation of the monthly average limit.
- C. Compliance with effluent limitations expressed as a sum of several constituents – If the sum of the individual pollutant concentrations is greater than the effluent limitation, then the Discharger is out of compliance. In calculating the sum of the concentrations of a group of pollutants, consider constituents reported as ND or DNQ to have concentrations equal to zero, provided that the applicable ML is used.
- D. Compliance with effluent limitations expressed as a median – in determining compliance with a median limitation, the analytical results in a set of data will be arranged in order of magnitude (either increasing or decreasing order); and
 - a. If the number of measurements (n) is odd, then the median will be calculated as $X_{(n+1)/2}$, or
 - b. If the number of measurements (n) is even, then the median will be calculated as $= [X_{n/2} + X_{(n/2)+1}]$, i.e. the midpoint between the $n/2$ and $n/2+1$ data points.
- E. In calculating mass emission rates from the monthly average concentrations, use one half of the method detection limit for "Not Detected" (ND) and the estimated concentration for "Detected, but Not Quantified" (DNQ) for the calculation of the monthly average concentration. To be consistent with section VI.C., if all pollutants belonging to the same group are reported as ND or DNQ, the sum of the individual pollutant concentrations should be considered as zero for the calculation of the monthly average concentration.

VI. NOTIFICATION

- A. The discharger shall notify the Executive Officer in writing prior to discharge of any chemical that may be toxic to aquatic life. Such notification shall include:
 - 1. Name and general composition of the chemical,
 - 2. Frequency of use,
 - 3. Quantities to be used,
 - 4. Proposed discharge concentrations, and
 - 5. EPA registration number, if applicable.

Mr. Reza Izada
LA County Department of Public Works
(West Coast Basin Barrier Project, Unit 3 & 4)

CI-6094

No discharge of such chemical shall be made prior to obtaining the Executive Officer's approval.

- B. The discharger shall notify the Regional Board via telephone and/or fax within 24 hours of noticing an exceedance above the effluent limits in Order No. R4-2003-0108. The discharger shall provide to the Regional Board within 14 days of observing the exceedance a detailed statement of the actions undertaken or proposed that will bring the discharge into full compliance with the requirements and submit a timetable for correction.

VII. MONITORING FREQUENCIES

Monitoring frequencies may be adjusted by the Executive Officer to a less frequent basis if the Discharger requests same and the request is backed by statistical trends of monitoring data submitted.

Ordered by:


Dennis A. Dickerson
Executive Officer

Date: October 29, 2003

/jt



Winston H. Hickox
Secretary for
Environmental
Protection

California Regional Water Quality Control Board Los Angeles Region

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Gray Davis
Governor

October 29, 2003

Mr. Reza Izada
Water Resources Division
Los Angeles County DPW
900 S. Fremont Avenue
Alhambra, CA 91803-1331

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
CLAIM NO. 7002 2030 0006 2095 1012

Dear Mr. Izada:

CONTINUATION OF COVERAGE UNDER GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT AND WASTE DISCHARGE REQUIREMENTS – LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS, WEST COAST BASIN BARRIER PROJECT, UNIT 5, VALLEY DRIVE, HERMOSA BEACH, CALIFORNIA (NPDES NO. CAG994005, CI-6096)

We have completed our review of your Notice of Intent (NOI) form, and analytical results of representative groundwater samples that you submitted in order to continue enrollment under the General NPDES Permit. Discharge of groundwater generated from redevelopment of the seawater intrusion barrier injection wells at the above-referenced site is currently regulated under NPDES General Permit No. CAG994001 (Order No. 97-045) adopted by this Regional Board on May 12, 1997.

Based on the information provided, we have determined that discharge of groundwater meets the conditions to be regulated under Order No. R4-2003-0108, *General National Pollutant Discharge Elimination System and Waste Discharge Requirements for Discharges of Groundwater from Potable Water Supply Wells to Surface Waters in Coastal Watersheds of Los Angeles and Ventura Counties*, adopted by this Board on August 7, 2003. Your existing enrollment under NPDES Permit No. CAG994001, Order No. 97-045, which was issued to you on June 30, 1997, is superseded by this new permit that terminated your coverage under Order No. 97-045.

Enclosed are your Waste Discharge Requirements, which also serve as your General NPDES Permit, consisting of Order No. R4-2003-0108 and revised Monitoring and Reporting Program No. CI-6096. The discharge limitations in Part E.1. of Order No. R4-2003-0108 for the specific constituents listed on the Fact Sheet are applicable to your discharge. Discharge from the project drains to a coastal stream of the Pacific Ocean, therefore, the discharge limitations in Attachment B are not applicable to your discharge.

The Monitoring and Reporting Program requires you to implement the monitoring program on the effective date of coverage under this permit. All monitoring reports should be sent to the Regional Board, ATTN: Information Technology Unit. When submitting monitoring or technical reports to the Regional Board per these requirements, please include a reference to "Compliance File No. CI-6093 and NPDES No. CAG994005", which will assure that the reports are directed to the

California Environmental Protection Agency

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption
For a list of simple ways to reduce demand and cut your energy costs, see the tips at: <http://www.swrcb.ca.gov/news/echallenge.html>



Recycled Paper

Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

Mr. Reza Izadi
LA County Department of Public Works
(West Coast Basin Barrier Project, Unit 5)

- 2 -

October 29, 2003

appropriate file and staff. Also, please do not combine your discharge monitoring reports with other reports. Submit each type of report as a separate document.

In order to avoid future annual fees, please submit written notification when the project has been completed and the permit is no longer needed.

We are sending Board Order No. R4-2002-0108 only to the applicant. For those on the mailing list, please refer to the Board Order previously sent to you. A copy of the Order will be furnished to anyone who requests it, or it can be obtained at our web site address: http://www.swrcb.ca.gov/~rwqcb4/html/permits/general_permits.html.

If you have any questions, please contact Dr. James Tang at (213) 576-6696.

Sincerely,



Dennis A. Dickerson
Executive Officer

Enclosures: Fact Sheet
Monitoring and Reporting Program No. 6096
Order No. R4-2003-0108, General NPDES Permit No. CAG994005

cc: Environmental Protection Agency, Region 9, Clean Water Act Standards and
Permits Office (WTR-5)
U.S. Army Corps of Engineers
NOAA, National Marine Fisheries Service
Department of Interior, U.S. Fish and Wildlife Service
James Maughan, Division of Water Quality, State Water Resources Control Board
Michael Lauffer, Office of the Chief Counsel, State Water Resources Control Board
California Department of Health Services, Drinking Water and Field Operations Branch
Department of Fish and Game, Region 5
Los Angeles County, Department of Public Works, Flood Control and Drainage
Los Angeles County, Department of Environmental Programs Division
City of Hermosa Beach, Department of Public Works

/jt

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Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

State of California
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
320 West 4th Street, Suite 200, Los Angeles
FACT SHEET
WASTE DISCHARGE REQUIREMENTS
FOR
LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
(West Coast Basin Barrier Project, Unit 5)
NPDES NO. CAG994005
CI-6096

FACILITY LOCATION

Valley Drive
Hermosa Beach, CA

FACILITY MAILING ADDRESS

900 S. Fremont Avenue
Alhambra, CA 91803-1331

PROJECT DESCRIPTION

The Los Angeles County Department of Public Works (LADPW) injects freshwater into the local drinking water aquifers to prevent seawater intrusion. LADPW periodically redevelops the injection wells and discharges the wastewater to the storm drain. Project Unit 5 is located at Valley Drive in City of Hermosa Beach. Well redevelopment water is stored in a 1,500 gallon capacity settling tank then transferred into a 5,000 gallon tank for final clarification and settling to remove solids and floating materials prior to discharge.

VOLUME AND DESCRIPTION OF DISCHARGE

LADPW conducts the well redevelopment approximately once every two years. Discharge during the well redevelopment typically last one to two weeks. Up to 144,000 gallons of groundwater is discharged to various storm drain outfalls.

<u>Outfall</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Receiving Waterbody</u>
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#2	33°51'31"	118°23'29"	Pacific Ocean
#3	33°52'25"	118°23'27"	Pacific Ocean
#4	33°51'16"	118°23'25"	Pacific Ocean
#5	33°51'10"	118°22'41"	Pacific Ocean
#6	33°50'42"	118°22'22"	Pacific Ocean

Discharge to the storm drains flow to the L.A. County Flood Control Channel thence to the coastal stream of the Pacific Ocean, a water of the United States. The site location and waste flow diagram are shown as Figures 1 & 2.

APPLICABLE EFFLUENT LIMITATIONS

Based on the information provided, the analytical data did not show reasonable potential for toxics to exist in groundwater above the Screening Levels for Potential Pollutants of Concern

in Potable Groundwater in Attachment A. Therefore, the effluent limits for toxic compounds in Section E.2. are not applicable to the discharge. The discharge flows to a coastal stream of the Pacific Ocean; therefore, the discharge limitations in Attachment B are not applicable to the discharge.

This table lists the specific constituents and effluent limitations applicable to the discharge.

Constituents	Units	Discharge Limitations	
		Daily Maximum	Monthly Average
Total Suspended Solids	mg/L	150	50
Turbidity	NTU	150	50
BOD ₅ 20°C	mg/L	30	20
Settleable Solids	ml/L	0.3	0.1
Residual Chlorine	mg/L	0.1	---

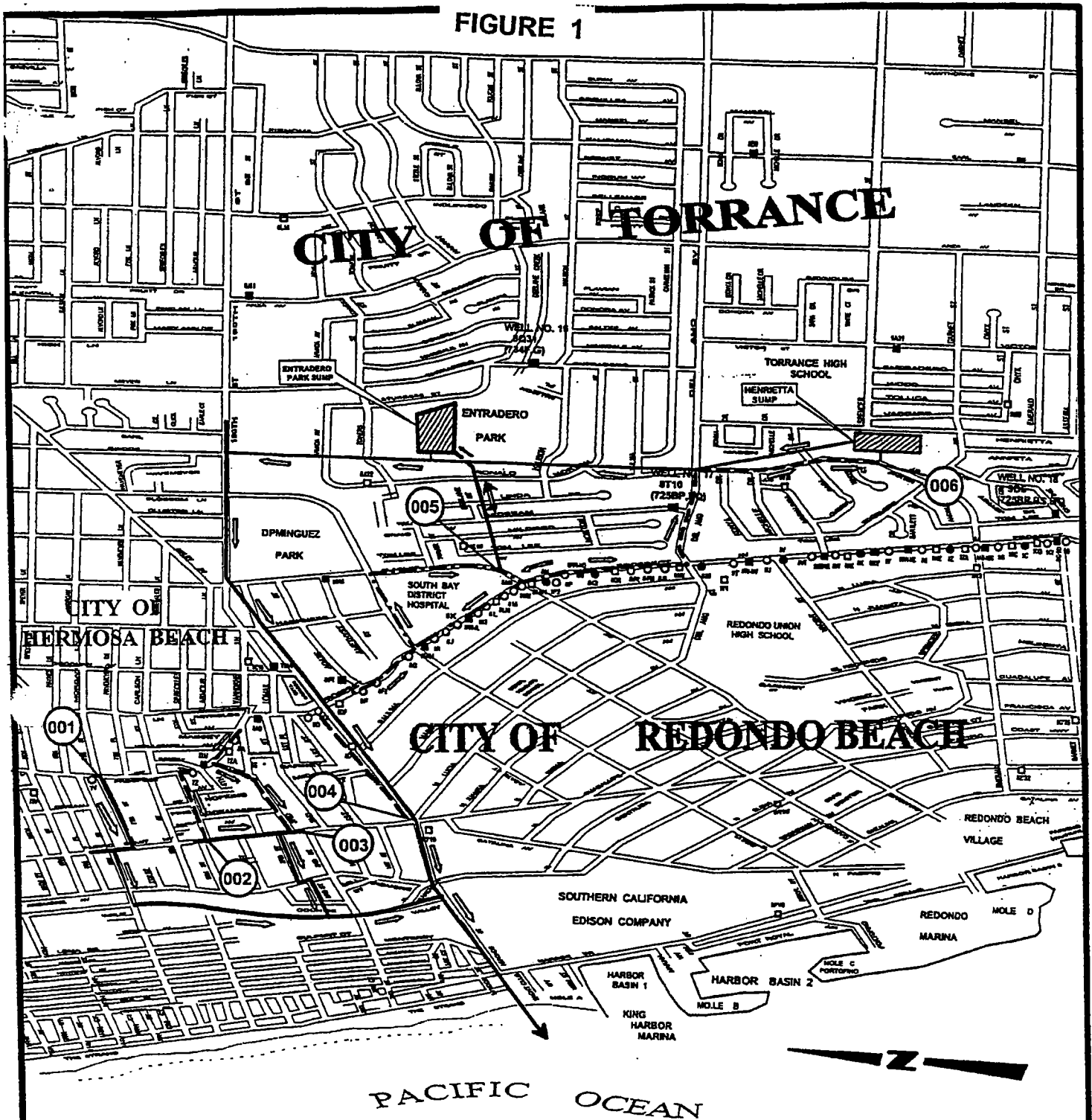
FREQUENCY OF DISCHARGE

The intermittent discharge occurs approximately once every two years.

REUSE OF WATER

There are no feasible reuse options because of the large volume of water that will be discharged over a short period of time. Therefore, the groundwater will be discharged to the stormdrain.

FIGURE 1



LEGEND

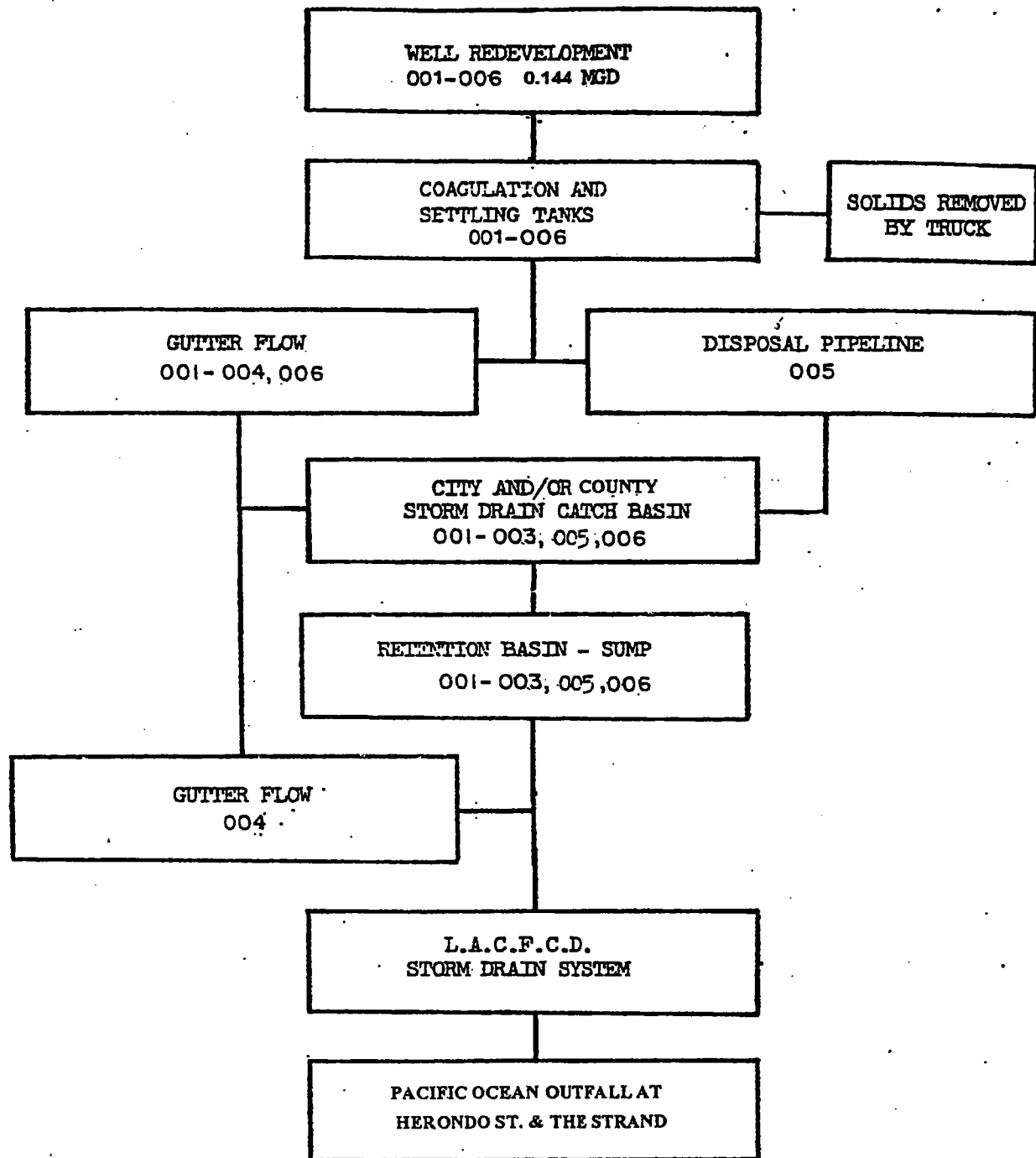
- OBSERVATION WELL
- INJECTION WELL
- MULTIPLE OBS. WELL
- MULTIPLE INJECTION WELL
- ⊕ MAINLINE VALVE
- △ PUMPING WELL (NOT ACTIVE)

- - - GUTTER FLOW TO CATCH BASIN
- - - PERMANENT DISPOSAL LINE
- STORM DRAIN STORM WATER TRANSPORT SYSTEM

(N) NPDES - DISCHARGE SERIAL NUMBER

LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS		
WEST COAST BASIN BARRIER PROJECT UNIT 5 - PROSPECT AVE. HERMOSA BEACH WELL LOCATIONS NPDES - LOCATIONS		
CAG994801 / ORDER 97-045 / C18096	DATE: 6-26-02	
DRAWN BY: C. BERNABE	CHECKED BY: W. F. SAUNDERS	SHEET 1 of 1

FIGURE 2



LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

SCHEMATIC OF WATER FLOW
WEST COAST BASIN BARRIER PROJECT
CITIES OF MANHATTAN AND REDONDO BEACH
LOS ANGELES COUNTY, CALIFORNIA
WELL 7V TO WELL 8S

CAG994001 / ORDER No. 97-045 / CI6096

Map By:

WS

Date:

3/13/02

UNIT 5 - PROSPECT AVENUE
HERMOSA BEACH

**State of California
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION**

**MONITORING AND REPORTING PROGRAM NO. CI-6096
for
LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
(West Coast Basin Barrier Project, Unit 5)
NPDES NO. CAG994005**

I. REPORTING REQUIREMENTS

- A. The discharger shall implement this monitoring program on the effective date of coverage under this permit. The discharger shall submit monitoring reports to this Regional Board by the dates in the following schedule:

<u>Reporting Period</u>	<u>Report Due</u>
January – March	May 15
April – June	August 15
July – September	November 15
October – December	February 15
Annual Summary Report	March 15

- B. The first monitoring report under this Program is due by February 15, 2004. The annual summary report shall contain a discussion of the previous year's effluent monitoring data, as well as graphical and tabular summaries of the data. If there is no discharge during any reporting period, the report shall so state.
- C. All monitoring reports shall include discharge limitations in the Order, tabulated analytical data, the chain of custody form, the analytical laboratory report (including, but not limited to: date and time of sampling, date of analyses, method of analysis, and detection limits), and discharge certification statement.
- D. Each monitoring report shall contain a separate section titled "Summary of Non-Compliance" which discusses the compliance record and corrective actions taken or planned that may be needed to bring the discharge into full compliance with waste discharge requirements. This section shall clearly list all non-compliance with waste discharge requirements, as well as all excursions of effluent limitations.
- E. Before commencing a new discharge, a representative sample of the effluent shall be collected and analyzed for toxicity and for all the constituents listed in the Fact Sheet. The test results must meet all applicable discharge limitations. (This requirement is not necessary for existing discharge)

II. SAMPLE COLLECTION REQUIREMENTS

- A. Daily samples shall be collected each day.
- B. Weekly samples shall be collected on a representative day of each week.
- C. Monthly samples shall be collected on a representative day of each month.
- D. Quarterly samples shall be collected in February, May, August, and November.
- E. Semi-annual samples shall be collected in May and November.
- F. Annual samples shall be collected in November.

III. EFFLUENT MONITORING REQUIREMENTS

- A. Sampling station(s) shall be established for each point of discharge and shall be located where representative samples of that effluent can be obtained. Provisions shall be made to enable visual inspection before discharge. In the event of presence of oil sheen, debris, and/or other objectionable materials or odors, discharge shall not commence until compliance with the requirements is demonstrated. All visual observations shall be included in the monitoring report.
- B. If monitoring results indicate an exceedance of a limit contained in Order No. R4-2003-0108, the discharge shall be terminated and shall only be resumed after remedial measures have been implemented and full compliance with the requirements has been ascertained.
- C. In addition, as applicable, following an effluent limit exceedance, the discharger shall implement the following accelerated monitoring program:
 - 1. Monthly monitoring shall be increased to weekly monitoring.
 - 2. Quarterly monitoring shall be increased to monthly monitoring, and
 - 3. Semi-annually monitoring shall be increased to quarterly.
 - 4. Annually monitoring shall be increased to semi-annually.

If three consecutive accelerated monitoring events demonstrate full compliance with effluent limits, then, the discharger may return to regular monitoring frequency, with the approval of the Executive Officer of the Regional Board.

- D. The following shall constitute the discharge monitoring program:

Constituent	Unit	Type of Sample	Minimum Frequency of Analysis
Total Waste Flow	gal/day	Recorder	Continuously
pH	pH unit	Grab	once per discharge event
Temperature	°F	Grab	once per discharge event
Turbidity	NTU	Grab	once per discharge event

Constituent	Unit	Type of Sample	Minimum Frequency of Analysis
Total Suspended Solids	mg/L	Grab	once per discharge event
BOD ₅ @ 20°C	mg/L	Grab	once per discharge event
Settleable Solids	ml/L	Grab	once per discharge event
Residual chlorine	mg/L	Grab	once per discharge event
Acute Toxicity	µg/L	Grab	annually

IV. EFFLUENT TOXICITY TESTING

- A. The discharger shall conduct acute toxicity tests on 100% effluent grab samples by methods specified in 40 CFR Part 136 which cites USEPA's *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms*. October 2002, (EPA/821-R-02-012) or a more recent edition. Submission of bioassay results should include the information noted on pages 109-113 of the EPA/821-R-02-012 document.
- B. The fathead minnow, *Pimephales promelas*, shall be used as the test species for fresh water discharges and the topsmelt, *Atherinops affinis*, shall be used as the test species for brackish discharges. The method for topsmelt is found in USEPA's *Short Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Marine and Estuarine Organisms*, Third Edition, October 2002 (EPA/821-R-02-014).
- C. If the results of the toxicity test yields a survival of less than 90%, then the frequency of analyses shall increase to monthly until at least three test results have been obtained and full compliance with effluent limitations has been demonstrated, after which the frequency of analyses shall revert to annually. Results of toxicity tests shall be included in the first monitoring report following sampling.

V. GENERAL PROVISIONS FOR REPORTING

- A. The discharger shall inform this Regional Board 24 hours before the start of the discharge.
- B. All chemical, bacteriological, and toxicity analyses shall be conducted at a laboratory certified for such analyses by the California Department of Health Services Environmental laboratory Accreditation Program (ELAP) or approved by the Executive Officer. A copy of the laboratory certification shall be provided with the first monitoring report and each time a new and/or renewal is obtained from ELAP.

- C. Samples must be analyzed within allowable holding times as specified in 40 CFR Part 136.3. Proper chain of custody procedures must be followed and a copy shall be submitted with the report.
- D. As required in Part H.4 of order No. R4-2003-0108, the monitoring report shall specify the USEPA analytical method used, the method detection limit, and the minimum Level for each pollutant.

VI. COMPLIANCE DETERMINATION (AS APPLICABLE)

- A. Compliance with single constituent effluent limitation – If the concentration of the pollutant in the monitoring sample is greater than the effluent limitation and greater than or equal to the reported Minimum Level (see Monitoring and Reporting Requirement Section H.4 of Order No. R4-2003-0108), then the Discharger is out of compliance.
- B. Compliance with monthly average limitations - In determining compliance with monthly average limitations, the following provisions shall apply to all constituents:
 - a. If the analytical result of a single sample, monitored monthly, quarterly, semiannually, or annually, does not exceed the monthly average limit for that constituent, the Discharger has demonstrated compliance with the monthly average limit for that month.
 - b. If the analytical result of a single sample, monitored monthly, quarterly, semiannually, or annually, exceeds the monthly average limit for any constituent, the Discharger shall collect four additional samples at approximately equal intervals during the month. All five analytical results shall be reported in the monitoring report for that month, or 45 days after results for the additional samples were received, whichever is later.

When all sample results are greater than or equal to the reported Minimum Level (see Monitoring and Reporting Requirement Section H.4 of Order No. R4-2003-0108), the numerical average of the analytical results of these five samples will be used for compliance determination.

When one or more sample results are reported as "Not-Detected (ND)" or "Detected, but Not Quantified (DNQ)" (see Monitoring and Reporting Requirement Section H.4 of Order No. R4-2003-0108), the median value of these four samples shall be used for compliance determination. If one or both of the middle values is ND or DNQ, the median shall be the lower of the two middle values.

- c. In the event of noncompliance with a monthly average effluent limitation, the sampling frequency for that constituent shall be increased to weekly and shall continue at this level until compliance with the monthly average effluent limitation has been demonstrated.
 - d. If only one sample was obtained for the month or more than a monthly period and the result exceed the monthly average, then the Discharger is in violation of the monthly average limit.
- C. Compliance with effluent limitations expressed as a sum of several constituents – If the sum of the individual pollutant concentrations is greater than the effluent limitation, then the Discharger is out of compliance. In calculating the sum of the concentrations of a group of pollutants, consider constituents reported as ND or DNQ to have concentrations equal to zero, provided that the applicable ML is used.
- D. Compliance with effluent limitations expressed as a median – in determining compliance with a median limitation, the analytical results in a set of data will be arranged in order of magnitude (either increasing or decreasing order); and
 - a. If the number of measurements (n) is odd, then the median will be calculated as $X_{(n+1)/2}$, or
 - b. If the number of measurements (n) is even, then the median will be calculated as $[X_{n/2} + X_{(n/2)+1}]$, i.e. the midpoint between the $n/2$ and $n/2+1$ data points.
- E. In calculating mass emission rates from the monthly average concentrations, use one half of the method detection limit for “Not Detected” (ND) and the estimated concentration for “Detected, but Not Quantified” (DNQ) for the calculation of the monthly average concentration. To be consistent with section VI.C., if all pollutants belonging to the same group are reported as ND or DNQ, the sum of the individual pollutant concentrations should be considered as zero for the calculation of the monthly average concentration.

VI. NOTIFICATION

- A. The discharger shall notify the Executive Officer in writing prior to discharge of any chemical that may be toxic to aquatic life. Such notification shall include:
 - 1. Name and general composition of the chemical,
 - 2. Frequency of use,
 - 3. Quantities to be used,
 - 4. Proposed discharge concentrations, and
 - 5. EPA registration number, if applicable.

Mr. Reza Izada
LA County Department of Public Works
(West Coast Basin Barrier Project, Unit 5)

CI-6096

No discharge of such chemical shall be made prior to obtaining the Executive Officer's approval.

- B. The discharger shall notify the Regional Board via telephone and/or fax within 24 hours of noticing an exceedance above the effluent limits in Order No. R4-2003-0108. The discharger shall provide to the Regional Board within 14 days of observing the exceedance a detailed statement of the actions undertaken or proposed that will bring the discharge into full compliance with the requirements and submit a timetable for correction.

VII. MONITORING FREQUENCIES

Monitoring frequencies may be adjusted by the Executive Officer to a less frequent basis if the Discharger requests same and the request is backed by statistical trends of monitoring data submitted.

Ordered by:


Dennis A. Dickerson
Executive Officer

Date: October 29, 2003

/jt



Winston H. Hickox
Secretary for
Environmental
Protection

California Regional Water Quality Control Board

Los Angeles Region

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Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: <http://www.swrcb.ca.gov/rwqcb4>



Gray Davis
Governor

October 30, 2003

Mr. Reza Izada
Water Resources Division
Los Angeles County DPW
900 S. Fremont Avenue
Alhambra, CA 91803-1331

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
CLAIM NO. 7002 2030 0006 2095 1029

Dear Mr. Izada:

CONTINUATION OF COVERAGE UNDER GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT AND WASTE DISCHARGE REQUIREMENTS – LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS, WEST COAST BASIN BARRIER PROJECT, UNIT 6, PROSPECT AVENUE, REDONDA BEACH, CALIFORNIA (NPDES NO. CAG994005, CI-6097)

We have completed our review of your Notice of Intent (NOI) form, and analytical results of representative groundwater samples that you submitted in order to continue enrollment under the General NPDES Permit. Discharge of groundwater generated from redevelopment of the seawater intrusion barrier injection wells at the above-referenced site is currently regulated under NPDES General Permit No. CAG994001 (Order No. 97-045) adopted by this Regional Board on May 12, 1997.

Based on the information provided, we have determined that discharge of groundwater meets the conditions to be regulated under Order No. R4-2003-0108, *General National Pollutant Discharge Elimination System and Waste Discharge Requirements for Discharges of Groundwater from Potable Water Supply Wells to Surface Waters in Coastal Watersheds of Los Angeles and Ventura Counties*, adopted by this Board on August 7, 2003. Your existing enrollment under NPDES Permit No. CAG994001, Order No. 97-045, which was issued to you on June 30, 1997, is superseded by this new permit that terminated your coverage under Order No. 97-045.

Enclosed are your Waste Discharge Requirements, which also serve as your General NPDES Permit, consisting of Order No. R4-2003-0108 and revised Monitoring and Reporting Program No. CI-6097. The discharge limitations in Part E.1. of Order No. R4-2003-0108 for the specific constituents listed on the Fact Sheet are applicable to your discharge. Discharge from the project drains to a coastal stream of the Pacific Ocean, therefore, the discharge limitations in Attachment B are not applicable to your discharge.

The Monitoring and Reporting Program requires you to implement the monitoring program on the effective date of coverage under this permit. All monitoring reports should be sent to the Regional Board, ATTN: Information Technology Unit. When submitting monitoring or technical reports to the Regional Board per these requirements, please include a reference to "Compliance File No. CI-6097 and NPDES No. CAG994005", which will assure that the reports are directed to the

California Environmental Protection Agency

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption
For a list of simple ways to reduce demand and cut your energy costs, see the tips at: <http://www.swrcb.ca.gov/news/echallenge.html>



Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

Mr. Reza Izadi
LA County Department of Public Works
(West Coast Basin Barrier Project, Unit 6)

- 2 -

October 30, 2003

appropriate file and staff. Also, please do not combine your discharge monitoring reports with other reports. Submit each type of report as a separate document.

In order to avoid future annual fees, please submit written notification when the project has been completed and the permit is no longer needed.

We are sending Board Order No. R4-2002-0108 only to the applicant. For those on the mailing list, please refer to the Board Order previously sent to you. A copy of the Order will be furnished to anyone who requests it, or it can be obtained at our web site address: http://www.swrcb.ca.gov/~rwqcb4/html/permits/general_permits.html.

If you have any questions, please contact Dr. James Tang at (213) 576-6696.

Sincerely,



Dennis A. Dickerson
Executive Officer

Enclosures: Fact Sheet
Monitoring and Reporting Program No. 6097
Order No. R4-2003-0108, General NPDES Permit No. CAG994005

cc: Environmental Protection Agency, Region 9, Clean Water Act Standards and
Permits Office (WTR-5)
U.S. Army Corps of Engineers
NOAA, National Marine Fisheries Service
Department of Interior, U.S. Fish and Wildlife Service
James Maughan, Division of Water Quality, State Water Resources Control Board
Michael Lauffer, Office of the Chief Counsel, State Water Resources Control Board
California Department of Health Services, Drinking Water and Field Operations Branch
Department of Fish and Game, Region 5
Los Angeles County, Department of Public Works, Flood Control and Drainage
Los Angeles County, Department of Environmental Programs Division
City of Redondo Beach, Department of Public Works

/jt

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State of California
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
320 West 4th Street, Suite 200, Los Angeles
FACT SHEET
WASTE DISCHARGE REQUIREMENTS
FOR
LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
(West Coast Basin Barrier Project, Unit 6)
NPDES NO. CAG994005
CI-6097

FACILITY LOCATION

Prospect Avenue
Redondo Beach, CA 90278

FACILITY MAILING ADDRESS

900 S. Fremont Avenue
Alhambra, CA 91803-1331

PROJECT DESCRIPTION

The Los Angeles County Department of Public Works (LADPW) injects freshwater into the local drinking water aquifers to prevent seawater intrusion. LADPW periodically redevelops the injection wells and discharges the wastewater to the storm drain. Project Unit 6 is located at Prospect Avenue in City of Redondo Beach. Well redevelopment water is stored in a 1,500 gallon capacity settling tank then transferred into a 5,000 gallon tank for final clarification and settling to remove solids and floating materials prior to discharge.

VOLUME AND DESCRIPTION OF DISCHARGE

LADPW conducts the well redevelopment approximately once every two years. Discharge during the well redevelopment typically lasts one to two weeks. Up to 144,000 gallons of groundwater is discharged to two storm drain outfalls. Outfall No. 01 and No. 02 are located at (Latitude 33°50' 44", Longitude 118° 22'51"), and (Latitude 33°50' 35", Longitude 118° 22'50"), respectively. Discharge is to the L.A. County Flood Control Channel, thence to a coastal stream of the Pacific Ocean, a water of the United States. The site location and waste flow diagram are shown as Figures 1 & 2.

APPLICABLE EFFLUENT LIMITATIONS

Based on the information provided, the analytical data did not show reasonable potential for toxics to exist in groundwater above the Screening Levels for Potential Pollutants of Concern in Potable Groundwater in Attachment A. Therefore, the effluent limits for toxic compounds in Section E.2. are not applicable to the discharge. The discharge flows to a coastal stream of the Pacific Ocean; therefore, the discharge limitations in Attachment B are not applicable to the discharge.

This table lists the specific constituents and effluent limitations applicable to the discharge.

This table lists the specific constituents and effluent limitations applicable to the discharge.

Constituents	Units	Discharge Limitations	
		Daily Maximum	Monthly Average
Total Suspended Solids	mg/L	150	50
Turbidity	NTU	150	50
BOD ₅ 20°C	mg/L	30	20
Settleable Solids	ml/L	0.3	0.1
Residual Chlorine	mg/L	0.1	—

FREQUENCY OF DISCHARGE

The intermittent discharge occurs approximately once every two years.

REUSE OF WATER

There are no feasible reuse options because of the large volume of water that will be discharged over a short period of time. Therefore, the groundwater will be discharged to the stormdrain.

FIGURE 1

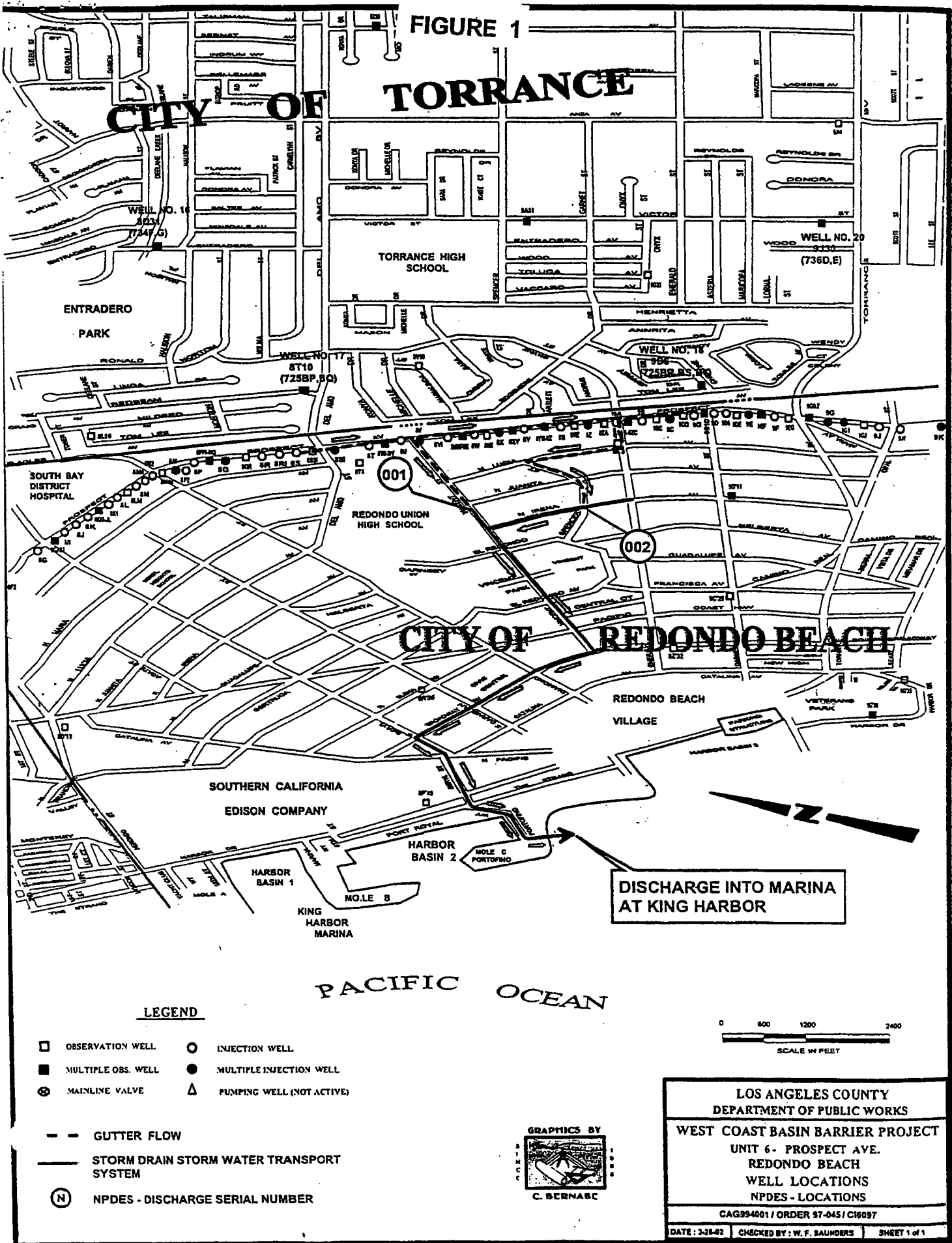
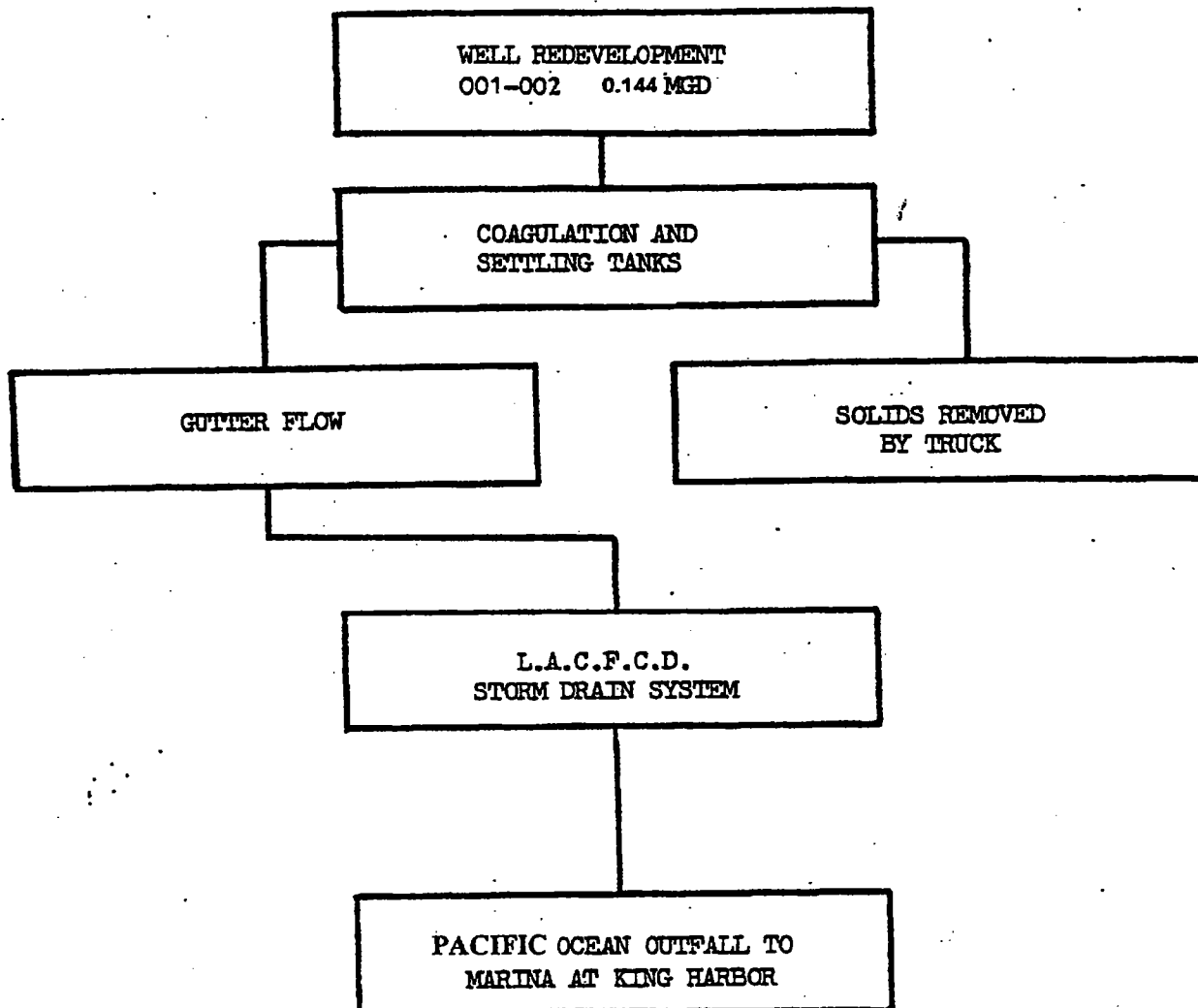


FIGURE 2



LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

SCHEMATIC OF WATER FLOW
WEST COAST BASIN BARRIER PROJECT
CITY OF REDONDO BEACH
LOS ANGELES COUNTY, CALIFORNIA
WELL 8S, TO WELL 9C,
SHEET 1 of 1

Map By:

WS

Date:

3/13/02

UNIT 6 - PROSPECT AVE,
REDONDO BEACH

**State of California
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION**

**MONITORING AND REPORTING PROGRAM NO. CI-6097
for
LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
(West Coast Basin Barrier Project, Unit 6)
NPDES NO. CAG994005**

I. REPORTING REQUIREMENTS

- A. The discharger shall implement this monitoring program on the effective date of coverage under this permit. The discharger shall submit monitoring reports to this Regional Board by the dates in the following schedule:

<u>Reporting Period</u>	<u>Report Due</u>
January – March	May 15
April – June	August 15
July – September	November 15
October – December	February 15
Annual Summary Report	March 15

- B. The first monitoring report under this Program is due by February 15, 2004. The annual summary report shall contain a discussion of the previous year's effluent monitoring data, as well as graphical and tabular summaries of the data. If there is no discharge during any reporting period, the report shall so state.
- C. All monitoring reports shall include discharge limitations in the Order, tabulated analytical data, the chain of custody form, the analytical laboratory report (including, but not limited to: date and time of sampling, date of analyses, method of analysis, and detection limits), and discharge certification statement.
- D. Each monitoring report shall contain a separate section titled "Summary of Non-Compliance" which discusses the compliance record and corrective actions taken or planned that may be needed to bring the discharge into full compliance with waste discharge requirements. This section shall clearly list all non-compliance with waste discharge requirements, as well as all excursions of effluent limitations.
- E. Before commencing a new discharge, a representative sample of the effluent shall be collected and analyzed for toxicity and for all the constituents listed in the Fact Sheet. The test results must meet all applicable discharge limitations. (This requirement is not necessary for existing discharge)

II. SAMPLE COLLECTION REQUIREMENTS

- A. Daily samples shall be collected each day.
- B. Weekly samples shall be collected on a representative day of each week.
- C. Monthly samples shall be collected on a representative day of each month.
- D. Quarterly samples shall be collected in February, May, August, and November.
- E. Semi-annual samples shall be collected in May and November.
- F. Annual samples shall be collected in November.

III. EFFLUENT MONITORING REQUIREMENTS

- A. Sampling station(s) shall be established for each point of discharge and shall be located where representative samples of that effluent can be obtained. Provisions shall be made to enable visual inspection before discharge. In the event of presence of oil sheen, debris, and/or other objectionable materials or odors, discharge shall not commence until compliance with the requirements is demonstrated. All visual observations shall be included in the monitoring report.
- B. If monitoring results indicate an exceedance of a limit contained in Order No. R4-2003-0108, the discharge shall be terminated and shall only be resumed after remedial measures have been implemented and full compliance with the requirements has been ascertained.
- C. In addition, as applicable, following an effluent limit exceedance, the discharger shall implement the following accelerated monitoring program:
 - 1. Monthly monitoring shall be increased to weekly monitoring.
 - 2. Quarterly monitoring shall be increased to monthly monitoring, and
 - 3. Semi-annually monitoring shall be increased to quarterly.
 - 4. Annually monitoring shall be increased to semi-annually.

If three consecutive accelerated monitoring events demonstrate full compliance with effluent limits, then, the discharger may return to regular monitoring frequency, with the approval of the Executive Officer of the Regional Board.

- D. The following shall constitute the discharge monitoring program:

Constituent	Unit	Type of Sample	Minimum Frequency of Analysis
Total Waste Flow	gal/day	recorder	Continuously
pH	pH unit	grab	once per discharge event
Temperature	°F	grab	once per discharge event
Turbidity	NTU	grab	once per discharge event

Constituent	Unit	Type of Sample	Minimum Frequency of Analysis
Total Suspended Solids	mg/L	grab	once per discharge event
BOD ₅ @ 20°C	mg/L	grab	once per discharge event
Settleable Solids	ml/L	grab	once per discharge event
Residual chlorine	mg/L	grab	once per discharge event
Acute Toxicity	µg/L	grab	annually

IV. EFFLUENT TOXICITY TESTING

- A. The discharger shall conduct acute toxicity tests on 100% effluent grab samples by methods specified in 40 CFR Part 136 which cites USEPA's *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms*, October 2002, (EPA/821-R-02-012) or a more recent edition. Submission of bioassay results should include the information noted on pages 109-113 of the EPA/821-R-02-012 document.
- B. The fathead minnow, *Pimephales promelas*, shall be used as the test species for fresh water discharges and the topsmelt, *Atherinops affinis*, shall be used as the test species for brackish discharges. The method for topsmelt is found in USEPA's *Short Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Marine and Estuarine Organisms*, Third Edition, October 2002 (EPA/821-R-02-014).
- C. If the results of the toxicity test yields a survival of less than 90%, then the frequency of analyses shall increase to monthly until at least three test results have been obtained and full compliance with effluent limitations has been demonstrated, after which the frequency of analyses shall revert to annually. Results of toxicity tests shall be included in the first monitoring report following sampling.

V. GENERAL PROVISIONS FOR REPORTING

- A. The discharger shall inform this Regional Board 24 hours before the start of the discharge.
- B. All chemical, bacteriological, and toxicity analyses shall be conducted at a laboratory certified for such analyses by the California Department of Health Services Environmental laboratory Accreditation Program (ELAP) or approved by the Executive Officer. A copy of the laboratory certification shall be provided with the first monitoring report and each time a new and/or renewal is obtained from ELAP.

- C. Samples must be analyzed within allowable holding times as specified in 40 CFR Part 136.3. Proper chain of custody procedures must be followed and a copy shall be submitted with the report.
- D. As required in Part H.4 of order No. R4-2003-0108, the monitoring report shall specify the USEPA analytical method used, the method detection limit, and the minimum Level for each pollutant.

VI. COMPLIANCE DETERMINATION (AS APPLICABLE)

- A. Compliance with single constituent effluent limitation – If the concentration of the pollutant in the monitoring sample is greater than the effluent limitation and greater than or equal to the reported Minimum Level (see Monitoring and Reporting Requirement Section H.4 of Order No. R4-2003-0108), then the Discharger is out of compliance.
- B. Compliance with monthly average limitations - In determining compliance with monthly average limitations, the following provisions shall apply to all constituents:
 - a. If the analytical result of a single sample, monitored monthly, quarterly, semiannually, or annually, does not exceed the monthly average limit for that constituent, the Discharger has demonstrated compliance with the monthly average limit for that month.
 - b. If the analytical result of a single sample, monitored monthly, quarterly, semiannually, or annually, exceeds the monthly average limit for any constituent, the Discharger shall collect four additional samples at approximately equal intervals during the month. All five analytical results shall be reported in the monitoring report for that month, or 45 days after results for the additional samples were received, whichever is later.

When all sample results are greater than or equal to the reported Minimum Level (see Monitoring and Reporting Requirement Section H.4 of Order No. R4-2003-0108), the numerical average of the analytical results of these five samples will be used for compliance determination.

When one or more sample results are reported as "Not-Detected (ND)" or "Detected, but Not Quantified (DNQ)" (see Monitoring and Reporting Requirement Section H.4 of Order No. R4-2003-0108), the median value of these four samples shall be used for compliance determination. If one or both of the middle values is ND or DNQ, the median shall be the lower of the two middle values.

- c. In the event of noncompliance with a monthly average effluent limitation, the sampling frequency for that constituent shall be increased to weekly and shall continue at this level until compliance with the monthly average effluent limitation has been demonstrated.
 - d. If only one sample was obtained for the month or more than a monthly period and the result exceed the monthly average, then the Discharger is in violation of the monthly average limit.
- C. Compliance with effluent limitations expressed as a sum of several constituents – If the sum of the individual pollutant concentrations is greater than the effluent limitation, then the Discharger is out of compliance. In calculating the sum of the concentrations of a group of pollutants, consider constituents reported as ND or DNQ to have concentrations equal to zero, provided that the applicable ML is used.
- D. Compliance with effluent limitations expressed as a median – in determining compliance with a median limitation, the analytical results in a set of data will be arranged in order of magnitude (either increasing or decreasing order); and
 - a. If the number of measurements (n) is odd, then the median will be calculated as $X_{(n+1)/2}$, or
 - b. If the number of measurements (n) is even, then the median will be calculated as $[X_{n/2} + X_{(n/2)+1}]$, i.e. the midpoint between the $n/2$ and $n/2+1$ data points.
- E. In calculating mass emission rates from the monthly average concentrations, use one half of the method detection limit for “Not Detected” (ND) and the estimated concentration for “Detected, but Not Quantified” (DNQ) for the calculation of the monthly average concentration. To be consistent with section VI.C., if all pollutants belonging to the same group are reported as ND or DNQ, the sum of the individual pollutant concentrations should be considered as zero for the calculation of the monthly average concentration.

VI. NOTIFICATION

- A. The discharger shall notify the Executive Officer in writing prior to discharge of any chemical that may be toxic to aquatic life. Such notification shall include:
 - 1. Name and general composition of the chemical,
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 - 3. Quantities to be used,
 - 4. Proposed discharge concentrations, and
 - 5. EPA registration number, if applicable.

Mr. Reza Izada
LA County Department of Public Works
(West Coast Basin Barrier Project, Unit 6)

CI-6097

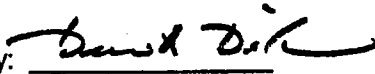
No discharge of such chemical shall be made prior to obtaining the Executive Officer's approval.

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VII. MONITORING FREQUENCIES

Monitoring frequencies may be adjusted by the Executive Officer to a less frequent basis if the Discharger requests same and the request is backed by statistical trends of monitoring data submitted.

Ordered by:


Dennis A. Dickerson
Executive Officer

Date: October 30, 2003

/jt



nston H. Hickox
Secretary for
Environmental
Protection

California Regional Water Quality Control Board

Los Angeles Region

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Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: <http://www.swrcb.ca.gov/rwqcb4>



Gray Davis
Governor

October 30, 2003

Mr. Reza Izada
Water Resources Division
Los Angeles County DPW
900 S. Fremont Avenue
Alhambra, CA 91803-1331

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
CLAIM NO. 7002 2030 0006 2095 1036

Dear Mr. Izada:

CONTINUATION OF COVERAGE UNDER GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT AND WASTE DISCHARGE REQUIREMENTS - LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS, WEST COAST BASIN BARRIER PROJECT, UNIT 7, PROSPECT AVENUE, REDONDO BEACH, CALIFORNIA (NPDES NO. CAG994005, CI-6098)

We have completed our review of your Notice of Intent (NOI) form, and analytical results of representative groundwater samples that you submitted in order to continue enrollment under the General NPDES Permit. Discharge of groundwater generated from redevelopment of the seawater intrusion barrier injection wells at the above-referenced site is currently regulated under NPDES General Permit No. CAG994001 (Order No. 97-045) adopted by this Regional Board on May 12, 1997.

Based on the information provided, we have determined that discharge of groundwater meets the conditions to be regulated under Order No. R4-2003-0108, *General National Pollutant Discharge Elimination System and Waste Discharge Requirements for Discharges of Groundwater from Potable Water Supply Wells to Surface Waters in Coastal Watersheds of Los Angeles and Ventura Counties*, adopted by this Board on August 7, 2003. Your existing enrollment under NPDES Permit No. CAG994001, Order No. 97-045, which was issued to you on June 30, 1997, is superseded by this new permit that terminated your coverage under Order No. 97-045.

Enclosed are your Waste Discharge Requirements, which also serve as your General NPDES Permit, consisting of Order No. R4-2003-0108 and revised Monitoring and Reporting Program No. CI-6098. The discharge limitations in Part E.1. of Order No. R4-2003-0108 for the specific constituents listed on the Fact Sheet are applicable to your discharge. Discharge from the project drains to a coastal stream of the Pacific Ocean, therefore, the discharge limitations in Attachment B are not applicable to your discharge.

The Monitoring and Reporting Program requires you to implement the monitoring program on the effective date of coverage under this permit. All monitoring reports should be sent to the Regional Board, ATTN: Information Technology Unit. When submitting monitoring or technical reports to the Regional Board per these requirements, please include a reference to "Compliance File No. CI-6098 and NPDES No. CAG994005", which will assure that the reports are directed to the

California Environmental Protection Agency

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption
For a list of simple ways to reduce demand and cut your energy costs, see the tips at: <http://www.swrcb.ca.gov/news/echallenge.html>



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Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

Mr. Reza Izadi
LA County Department of Public Works
(West Coast Basin Barrier Project, Unit 7)

- 2 -

October 30, 2003

appropriate file and staff. Also, please do not combine your discharge monitoring reports with other reports. Submit each type of report as a separate document.

In order to avoid future annual fees, please submit written notification when the project has been completed and the permit is no longer needed.

We are sending Board Order No. R4-2002-0108 only to the applicant. For those on the mailing list, please refer to the Board Order previously sent to you. A copy of the Order will be furnished to anyone who requests it, or it can be obtained at our web site address: http://www.swrcb.ca.gov/~rwqcb4/html/permits/general_permits.html.

If you have any questions, please contact Dr. James Tang at (213) 576-6696.

Sincerely,



Dennis A. Dickerson
Executive Officer

Enclosures: Fact Sheet
Monitoring and Reporting Program No. 6098
Order No. R4-2003-0108, General NPDES Permit No. CAG994005

cc: Environmental Protection Agency, Region 9, Clean Water Act Standards and
Permits Office (WTR-5)
U.S. Army Corps of Engineers
NOAA, National Marine Fisheries Service
Department of Interior, U.S. Fish and Wildlife Service
James Maughan, Division of Water Quality, State Water Resources Control Board
Michael Lauffer, Office of the Chief Counsel, State Water Resources Control Board
California Department of Health Services, Drinking Water and Field Operations Branch
Department of Fish and Game, Region 5
Los Angeles County, Department of Public Works, Flood Control and Drainage
Los Angeles County, Department of Environmental Programs Division
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/jt

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LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
(West Coast Basin Barrier Project, Unit 7)
NPDES NO. CAG994005
CI-6098

FACILITY LOCATION

Prospect Avenue
Redondo Beach, CA

FACILITY MAILING ADDRESS

900 S. Fremont Avenue
Alhambra, CA 91803-1331

PROJECT DESCRIPTION

The Los Angeles County Department of Public Works (LADPW) injects freshwater into the local drinking water aquifers to prevent seawater intrusion. LADPW periodically redevelops the injection wells and discharges the wastewater to the storm drain. Project Unit 7 is located at Prospect Avenue in the City of Redondo Beach. Well redevelopment water is stored in a 1,500 gallon capacity settling tank then transferred into a 5,000 gallon tank for final clarification and settling to remove solids and floating materials prior to discharge.

VOLUME AND DESCRIPTION OF DISCHARGE

LADPW conducts the well redevelopment approximately once every two years. Discharge during the well redevelopment typically lasts one to two weeks. Up to 144,000 gallons of groundwater is discharged to various storm drain outfalls.

<u>Outfall</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Receiving Waterbody</u>
#1	33°50'16"	118°22'55"	Pacific Ocean
#2	33°50'08"	118°22'51"	Pacific Ocean
#3	33°50'00"	118°22'34"	Pacific Ocean
#4	33°49'52"	118°22'39"	Pacific Ocean
#5	33°49'42"	118°22'44"	Pacific Ocean

Discharge to the L.A. County Flood Control Channel flows to a coastal stream of the Pacific Ocean, a water of the United States. The site location and waste flow diagram are shown as Figures 1 & 2.

APPLICABLE EFFLUENT LIMITATIONS

Based on the information provided, the analytical data did not show reasonable potential for toxics to exist in groundwater above the Screening Levels for Potential Pollutants of Concern in Potable Groundwater in Attachment A. Therefore, the effluent limits for toxic compounds

in Section E.2. are not applicable to the discharge. The discharge flows to a coastal stream of the Pacific Ocean; therefore, the discharge limitations in Attachment B are not applicable to the discharge.

This table lists the specific constituents and effluent limitations applicable to the discharge.

Constituents	Units	Discharge Limitations	
		Daily Maximum	Monthly Average
Total Suspended Solids	mg/L	150	50
Turbidity	NTU	150	50
BOD ₅ 20°C	mg/L	30	20
Settleable Solids	ml/L	0.3	0.1
Residual Chlorine	mg/L	0.1	—

FREQUENCY OF DISCHARGE

The intermittent discharge occurs approximately once every two years.

REUSE OF WATER

There are no feasible reuse options because of the large volume of water that will be discharged over a short period of time. Therefore, the groundwater will be discharged to the stormdrain.

FIGURE 1

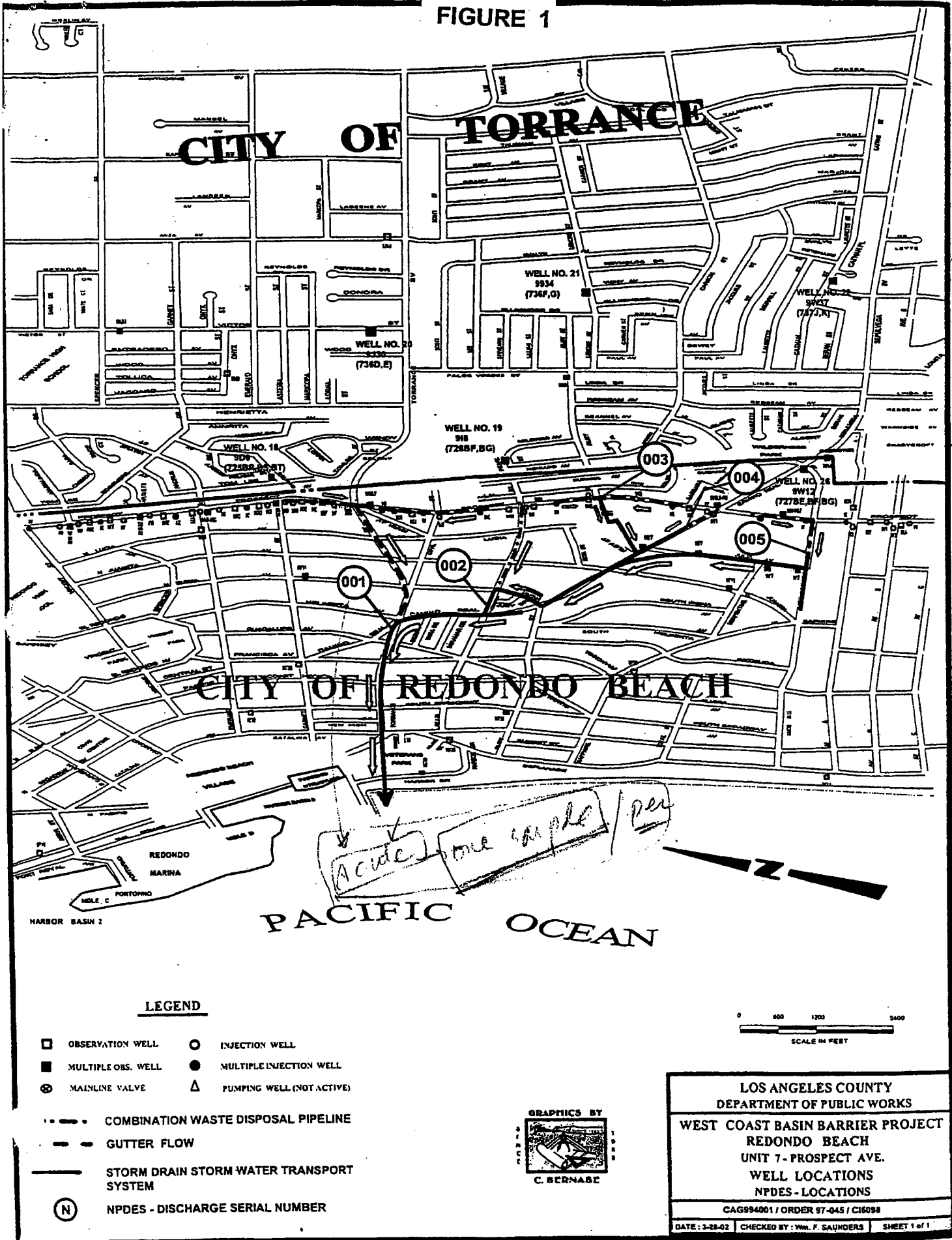
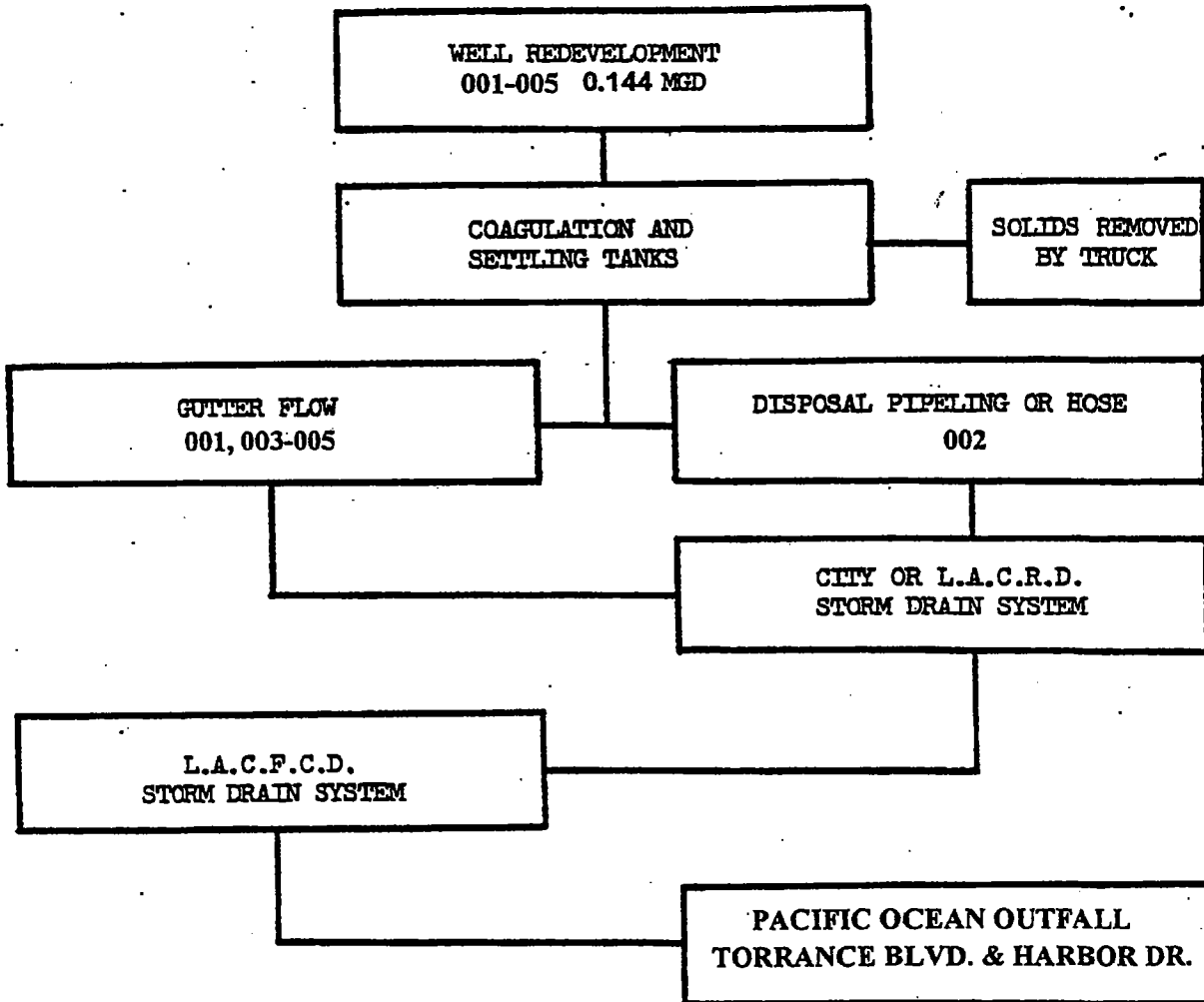


FIGURE 2



LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

SCHEMATIC OF WATER FLOW
WEST COAST BASIN BARRIER PROJECT
CITY OF REDONDO BEACH
LOS ANGELES COUNTY, CALIFORNIA
WELL 9D TO WELL 9V,
CAG994001 / ORDER No. 97-045 / CI6098

Map By:

WS

Date:

3/13/02

UNIT 7 - PROSPECT AVE,
REDONDO BEACH

**State of California
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION**

**MONITORING AND REPORTING PROGRAM NO. CI-6098
for
LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
(West Coast Basin Barrier Project, Unit 7)
NPDES NO. CAG994005**

I. REPORTING REQUIREMENTS

- A. The discharger shall implement this monitoring program on the effective date of coverage under this permit. The discharger shall submit monitoring reports to this Regional Board by the dates in the following schedule:

<u>Reporting Period</u>	<u>Report Due</u>
January – March	May 15
April – June	August 15
July – September	November 15
October – December	February 15
Annual Summary Report	March 15

- B. The first monitoring report under this Program is due by February 15, 2004. The annual summary report shall contain a discussion of the previous year's effluent monitoring data, as well as graphical and tabular summaries of the data. If there is no discharge during any reporting period, the report shall so state.
- C. All monitoring reports shall include discharge limitations in the Order, tabulated analytical data, the chain of custody form, the analytical laboratory report (including, but not limited to: date and time of sampling, date of analyses, method of analysis, and detection limits), and discharge certification statement.
- D. Each monitoring report shall contain a separate section titled "Summary of Non-Compliance" which discusses the compliance record and corrective actions taken or planned that may be needed to bring the discharge into full compliance with waste discharge requirements. This section shall clearly list all non-compliance with waste discharge requirements, as well as all excursions of effluent limitations.
- E. Before commencing a new discharge, a representative sample of the effluent shall be collected and analyzed for toxicity and for all the constituents listed in the Fact Sheet. The test results must meet all applicable discharge limitations. (This requirement is not necessary for existing discharge)

II. SAMPLE COLLECTION REQUIREMENTS

- A. Daily samples shall be collected each day.
- B. Weekly samples shall be collected on a representative day of each week.
- C. Monthly samples shall be collected on a representative day of each month.
- D. Quarterly samples shall be collected in February, May, August, and November.
- E. Semi-annual samples shall be collected in May and November.
- F. Annual samples shall be collected in November.

III. EFFLUENT MONITORING REQUIREMENTS

- A. Sampling station(s) shall be established for each point of discharge and shall be located where representative samples of that effluent can be obtained. Provisions shall be made to enable visual inspection before discharge. In the event of presence of oil sheen, debris, and/or other objectionable materials or odors, discharge shall not commence until compliance with the requirements is demonstrated. All visual observations shall be included in the monitoring report.
- B. If monitoring results indicate an exceedance of a limit contained in Order No. R4-2003-0108, the discharge shall be terminated and shall only be resumed after remedial measures have been implemented and full compliance with the requirements has been ascertained.
- C. In addition, as applicable, following an effluent limit exceedance, the discharger shall implement the following accelerated monitoring program:
 - 1. Monthly monitoring shall be increased to weekly monitoring.
 - 2. Quarterly monitoring shall be increased to monthly monitoring, and
 - 3. Semi-annually monitoring shall be increased to quarterly.
 - 4. Annually monitoring shall be increased to semi-annually.

If three consecutive accelerated monitoring events demonstrate full compliance with effluent limits, then, the discharger may return to regular monitoring frequency, with the approval of the Executive Officer of the Regional Board.

- D. The following shall constitute the discharge monitoring program:

Constituent	Unit	Type of Sample	Minimum Frequency of Analysis
Total Waste Flow	gal/day	recorder	Continuously
pH	pH unit	grab	once per discharge event
Temperature	°F	grab	once per discharge event
Turbidity	NTU	grab	once per discharge event

Constituent	Unit	Type of Sample	Minimum Frequency of Analysis
Total Suspended Solids	mg/L	grab	once per discharge event
BOD ₅ @ 20°C	mg/L	grab	once per discharge event
Settleable Solids	ml/L	grab	once per discharge event
Residual chlorine	mg/L	grab	once per discharge event
Acute Toxicity	µg/L	grab	annually

IV. EFFLUENT TOXICITY TESTING

- A. The discharger shall conduct acute toxicity tests on 100% effluent grab samples by methods specified in 40 CFR Part 136 which cites USEPA's *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms*, October 2002, (EPA/821-R-02-012) or a more recent edition. Submission of bioassay results should include the information noted on pages 109-113 of the EPA/821-R-02-012 document.
- B. The fathead minnow, *Pimephales promelas*, shall be used as the test species for fresh water discharges and the topsmelt, *Atherinops affinis*, shall be used as the test species for brackish discharges. The method for topsmelt is found in USEPA's *Short Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Marine and Estuarine Organisms*, Third Edition, October 2002 (EPA/821-R-02-014).
- C. If the results of the toxicity test yields a survival of less than 90%, then the frequency of analyses shall increase to monthly until at least three test results have been obtained and full compliance with effluent limitations has been demonstrated, after which the frequency of analyses shall revert to annually. Results of toxicity tests shall be included in the first monitoring report following sampling.

V. GENERAL PROVISIONS FOR REPORTING

- A. The discharger shall inform this Regional Board 24 hours before the start of the discharge.
- B. All chemical, bacteriological, and toxicity analyses shall be conducted at a laboratory certified for such analyses by the California Department of Health Services Environmental laboratory Accreditation Program (ELAP) or approved by the Executive Officer. A copy of the laboratory certification shall be provided with the first monitoring report and each time a new and/or renewal is obtained from ELAP.

- C. Samples must be analyzed within allowable holding times as specified in 40 CFR Part 136.3. Proper chain of custody procedures must be followed and a copy shall be submitted with the report.
- D. As required in Part H.4 of order No. R4-2003-0108, the monitoring report shall specify the USEPA analytical method used, the method detection limit, and the minimum Level for each pollutant.

VI. COMPLIANCE DETERMINATION (AS APPLICABLE)

- A. Compliance with single constituent effluent limitation – If the concentration of the pollutant in the monitoring sample is greater than the effluent limitation and greater than or equal to the reported Minimum Level (see Monitoring and Reporting Requirement Section H.4 of Order No. R4-2003-0108), then the Discharger is out of compliance.
- B. Compliance with monthly average limitations - In determining compliance with monthly average limitations, the following provisions shall apply to all constituents:
 - a. If the analytical result of a single sample, monitored monthly, quarterly, semiannually, or annually, does not exceed the monthly average limit for that constituent, the Discharger has demonstrated compliance with the monthly average limit for that month.
 - b. If the analytical result of a single sample, monitored monthly, quarterly, semiannually, or annually, exceeds the monthly average limit for any constituent, the Discharger shall collect four additional samples at approximately equal intervals during the month. All five analytical results shall be reported in the monitoring report for that month, or 45 days after results for the additional samples were received, whichever is later.

When all sample results are greater than or equal to the reported Minimum Level (see Monitoring and Reporting Requirement Section H.4 of Order No. R4-2003-0108), the numerical average of the analytical results of these five samples will be used for compliance determination.

When one or more sample results are reported as "Not-Detected (ND)" or "Detected, but Not Quantified (DNQ)" (see Monitoring and Reporting Requirement Section H.4 of Order No. R4-2003-0108), the median value of these four samples shall be used for compliance determination. If one or both of the middle values is ND or DNQ, the median shall be the lower of the two middle values.

- c. In the event of noncompliance with a monthly average effluent limitation, the sampling frequency for that constituent shall be increased to weekly and shall continue at this level until compliance with the monthly average effluent limitation has been demonstrated.
 - d. If only one sample was obtained for the month or more than a monthly period and the result exceed the monthly average, then the Discharger is in violation of the monthly average limit.
- C. Compliance with effluent limitations expressed as a sum of several constituents – If the sum of the individual pollutant concentrations is greater than the effluent limitation, then the Discharger is out of compliance. In calculating the sum of the concentrations of a group of pollutants, consider constituents reported as ND or DNQ to have concentrations equal to zero, provided that the applicable ML is used.
- D. Compliance with effluent limitations expressed as a median – in determining compliance with a median limitation, the analytical results in a set of data will be arranged in order of magnitude (either increasing or decreasing order); and
 - a. If the number of measurements (n) is odd, then the median will be calculated as $X_{(n+1)/2}$, or
 - b. If the number of measurements (n) is even, then the median will be calculated as $[X_{n/2} + X_{(n/2)+1}]$, i.e. the midpoint between the $n/2$ and $n/2+1$ data points.
- E. In calculating mass emission rates from the monthly average concentrations, use one half of the method detection limit for "Not Detected" (ND) and the estimated concentration for "Detected, but Not Quantified" (DNQ) for the calculation of the monthly average concentration. To be consistent with section VI.C., if all pollutants belonging to the same group are reported as ND or DNQ, the sum of the individual pollutant concentrations should be considered as zero for the calculation of the monthly average concentration.

VI. NOTIFICATION

- A. The discharger shall notify the Executive Officer in writing prior to discharge of any chemical that may be toxic to aquatic life. Such notification shall include:
 - 1. Name and general composition of the chemical,
 - 2. Frequency of use,
 - 3. Quantities to be used,
 - 4. Proposed discharge concentrations, and
 - 5. EPA registration number, if applicable.

Mr. Reza Izada
LA County Department of Public Works
(West Coast Basin Barrier Project, Unit 7)

CI-6098

No discharge of such chemical shall be made prior to obtaining the Executive Officer's approval.

- B. The discharger shall notify the Regional Board via telephone and/or fax within 24 hours of noticing an exceedance above the effluent limits in Order No. R4-2003-0108. The discharger shall provide to the Regional Board within 14 days of observing the exceedance a detailed statement of the actions undertaken or proposed that will bring the discharge into full compliance with the requirements and submit a timetable for correction.

VII. MONITORING FREQUENCIES

Monitoring frequencies may be adjusted by the Executive Officer to a less frequent basis if the Discharger requests same and the request is backed by statistical trends of monitoring data submitted.

Ordered by:



Dennis A. Dickerson
Executive Officer

Date: October 30, 2003

/jt



William H. Hickox
Secretary for
Environmental
Protection

California Regional Water Quality Control Board Los Angeles Region

Over 50 Years Serving Coastal Los Angeles and Ventura Counties
Recipient of the 2001 *Environmental Leadership Award* from Keep California Beautiful

320 W. 4th Street, Suite 200, Los Angeles, California 90013
Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: <http://www.swrcb.ca.gov/rwqcb4>



Gray Davis
Governor

October 30, 2003

Mr. Reza Izada
Water Resources Division
Los Angeles County DPW
900 S. Fremont Avenue
Alhambra, CA 91803-1331

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
CLAIM NO. 7002 2030 0006 2095 1043

Dear Mr. Izada:

CONTINUATION OF COVERAGE UNDER GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT AND WASTE DISCHARGE REQUIREMENTS - LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS, WEST COAST BASIN BARRIER PROJECT, UNIT 8, PROSPECT AVENUE, REDONDO BEACH, CALIFORNIA (NPDES NO. CAG994005, CI-6099)

We have completed our review of your Notice of Intent (NOI) form, and analytical results of representative groundwater samples that you submitted in order to continue enrollment under the General NPDES Permit. Discharge of groundwater generated from redevelopment of the seawater intrusion barrier injection wells at the above-referenced site is currently regulated under NPDES General Permit No. CAG994001 (Order No. 97-045) adopted by this Regional Board on May 12, 1997.

Based on the information provided, we have determined that discharge of groundwater meets the conditions to be regulated under Order No. R4-2003-0108, *General National Pollutant Discharge Elimination System and Waste Discharge Requirements for Discharges of Groundwater from Potable Water Supply Wells to Surface Waters in Coastal Watersheds of Los Angeles and Ventura Counties*, adopted by this Board on August 7, 2003. Your existing enrollment under NPDES Permit No. CAG994001, Order No. 97-045, which was issued to you on June 30, 1997, is superseded by this new permit that terminated your coverage under Order No. 97-045.

Enclosed are your Waste Discharge Requirements, which also serve as your General NPDES Permit, consisting of Order No. R4-2003-0108 and revised Monitoring and Reporting Program No. CI-6099. The discharge limitations in Part E.1. of Order No. R4-2003-0108 for the specific constituents listed on the Fact Sheet are applicable to your discharge. Discharge from the project drains to a coastal stream of the Pacific Ocean, therefore, the discharge limitations in Attachment B are not applicable to your discharge.

The Monitoring and Reporting Program requires you to implement the monitoring program on the effective date of coverage under this permit. All monitoring reports should be sent to the Regional Board, ATTN: Information Technology Unit. When submitting monitoring or technical reports to the Regional Board per these requirements, please include a reference to "Compliance File No. CI-6099 and NPDES No. CAG994005", which will assure that the reports are directed to the

California Environmental Protection Agency

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption
For a list of simple ways to reduce demand and cut your energy costs, see the tips at: <http://www.swrcb.ca.gov/news/echallenge.html>



Recycled Paper

Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

Mr. Reza Izadi
LA County Department of Public Works
(West Coast Basin Barrier Project, Unit 8)

- 2 -

October 30, 2003

appropriate file and staff. Also, please do not combine your discharge monitoring reports with other reports. Submit each type of report as a separate document.

In order to avoid future annual fees, please submit written notification when the project has been completed and the permit is no longer needed.

We are sending Board Order No. R4-2002-0108 only to the applicant. For those on the mailing list, please refer to the Board Order previously sent to you. A copy of the Order will be furnished to anyone who requests it, or it can be obtained at our web site address: http://www.swrcb.ca.gov/~rwqcb4/html/permits/general_permits.html.

If you have any questions, please contact Dr. James Tang at (213) 576-6696.

Sincerely,



Dennis A. Dickerson
Executive Officer

Enclosures: Fact Sheet
Monitoring and Reporting Program No. 6099
Order No. R4-2003-0108, General NPDES Permit No. CAG994005

cc: Environmental Protection Agency, Region 9, Clean Water Act Standards and
Permits Office (WTR-5)
U.S. Army Corps of Engineers
NOAA, National Marine Fisheries Service
Department of Interior, U.S. Fish and Wildlife Service
James Maughan, Division of Water Quality, State Water Resources Control Board
Michael Lauffer, Office of the Chief Counsel, State Water Resources Control Board
California Department of Health Services, Drinking Water and Field Operations Branch
Department of Fish and Game, Region 5
Los Angeles County, Department of Public Works, Flood Control and Drainage
Los Angeles County, Department of Environmental Programs Division
City of Redondo Beach, Department of Public Works

/jt

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Recycled Paper

Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

**State of California
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
320 West 4th Street, Suite 200, Los Angeles
FACT SHEET
WASTE DISCHARGE REQUIREMENTS
FOR
LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
(West Coast Basin Barrier Project, Unit 8)
NPDES NO. CAG994005
CI-6099**

FACILITY LOCATION

Prospect Avenue
Redondo Beach, CA

FACILITY MAILING ADDRESS

900 S. Fremont Avenue
Alhambra, CA 91803-1331

PROJECT DESCRIPTION

The Los Angeles County Department of Public Works (LADPW) injects freshwater into the local drinking water aquifers to prevent seawater intrusion. LADPW periodically redevelops the injection wells and discharges the wastewater to the storm drain. Project Unit 8 is located at Prospect Avenue in City of Redondo Beach. Well redevelopment water is stored in a 1,500 gallon capacity settling tank then transferred into a 5,000 gallon tank for final clarification and settling to remove solids and floating materials prior to discharge.

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#4	33°49'26"	118°22'37"	Pacific Ocean
#5	33°49'19"	118°22'37"	Pacific Ocean
#6	33°49'14"	118°22'37"	Pacific Ocean
#7	33°49'15"	118°22'37"	Pacific Ocean
#8	33°49'13"	118°22'37"	Pacific Ocean
#9	33°49'09"	118°22'37"	Pacific Ocean
#10	33°49'03"	118°22'56"	Pacific Ocean

Discharge to the L.A. County Flood Control Channel flows to a coastal stream of the Pacific Ocean, a water of the United States. The site location and waste flow diagram are shown as Figures 1 & 2.

APPLICABLE EFFLUENT LIMITATIONS

Based on the information provided, the analytical data did not show reasonable potential for toxics to exist in groundwater above the Screening Levels for Potential Pollutants of Concern in Potable Groundwater in Attachment A. Therefore, the effluent limits for toxic compounds in Section E.2. are not applicable to the discharge. The discharge flows to a coastal stream of the Pacific Ocean; therefore, the discharge limitations in Attachment B are not applicable to the discharge.

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Residual Chlorine	mg/L	0.1	---

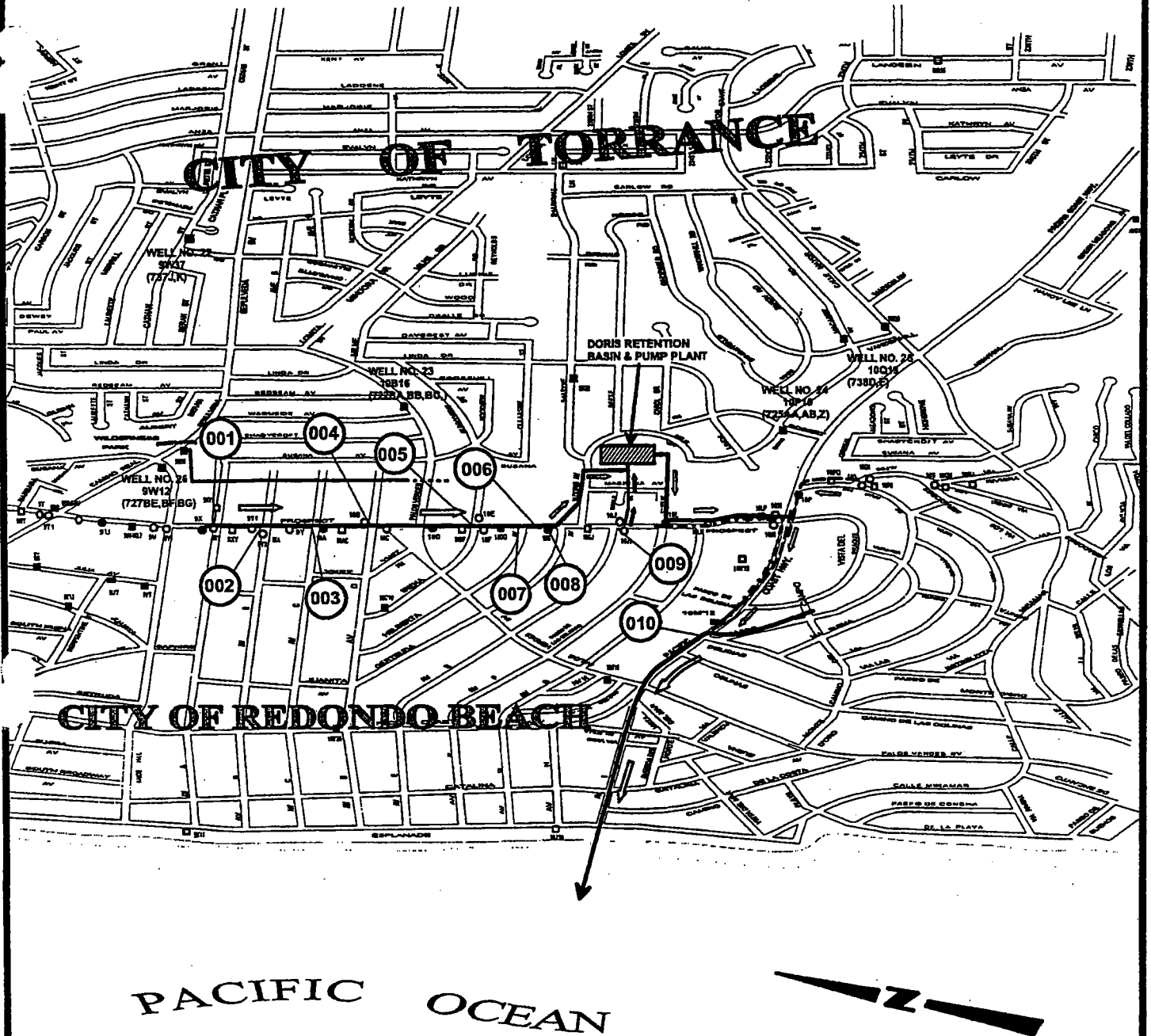
FREQUENCY OF DISCHARGE

The intermittent discharge occurs approximately once every two years.

REUSE OF WATER

There are no feasible reuse options because of the large volume of water that will be discharged over a short period of time. Therefore, the groundwater will be discharged to the stormdrain.

FIGURE 1



LEGEND

- OBSERVATION WELL
- INJECTION WELL
- MULTIPLE OBS. WELL
- MULTIPLE INJECTION WELL
- ⊕ MAINLINE VALVE
- △ PUMPING WELL (NOT ACTIVE)

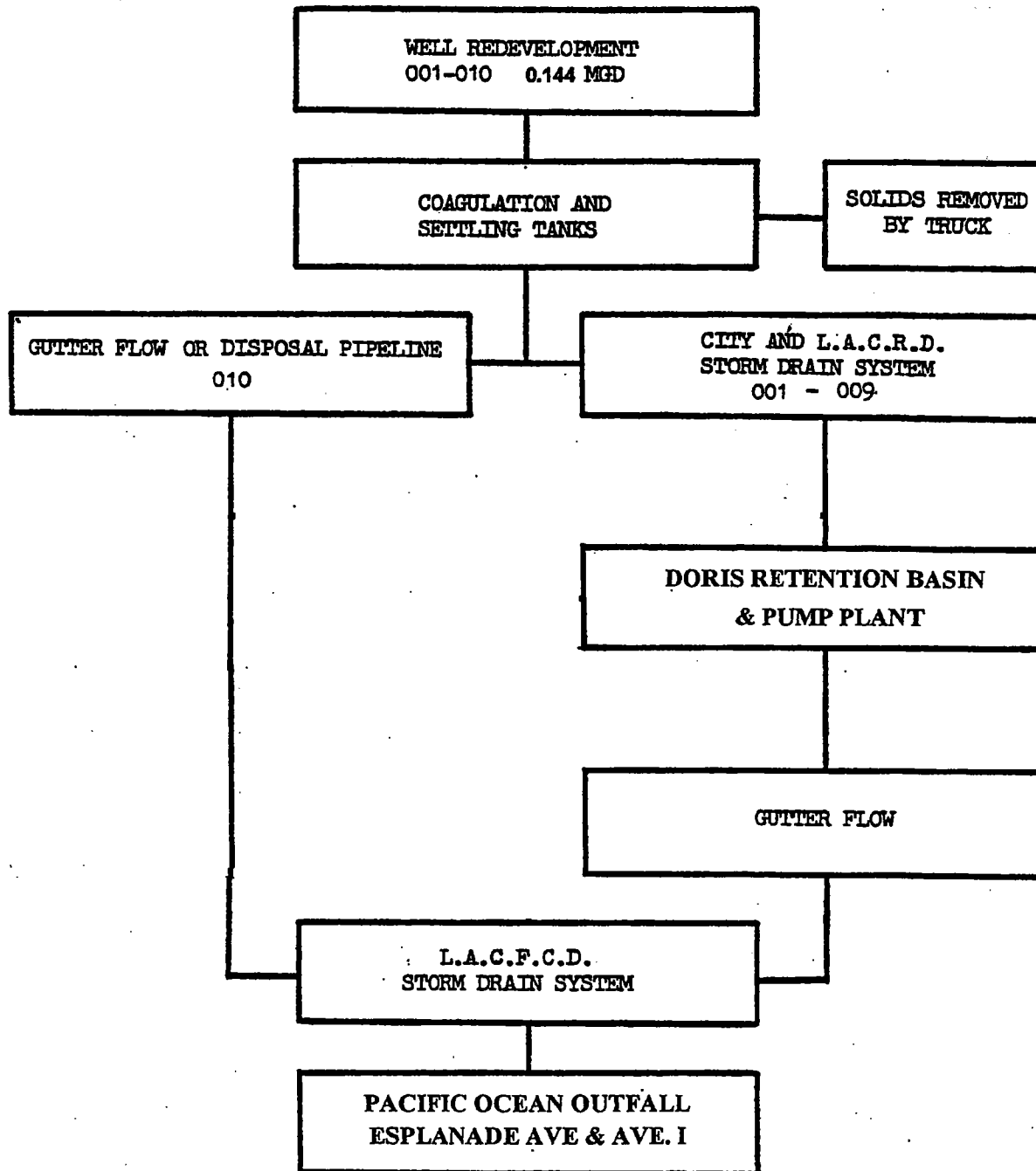
- - - WASTE DISPOSAL PIPELINE
- - - GUTTER FLOW
- STORM DRAIN - STORM WATER TRANSPORT SYSTEM

(N) NPDES - DISCHARGE SERIAL NUMBER

0 600 1200 2400
SCALE IN FEET

LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS		
WEST COAST BASIN BARRIER PROJECT REDONDO BEACH UNIT 8 - PROSPECT AVE. WELL LOCATIONS NPDES - LOCATIONS		
CAG994001 / ORDER 97-045 / C16099	DATE: 4-02-02	
DRAWN BY: C. BERNABE	CHECKED BY: Wm. F. BAUNDERS	SHEET 1 of 1

FIGURE 2



LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

SCHEMATIC OF WATER FLOW
WEST COAST BASIN BARRIER PROJECT
CITIES OF REDONDO BEACH AND TORRANCE
LOS ANGELES COUNTY, CALIFORNIA
WELL 9X TO WELL 10S

CAG994001 / ORDER No. 97-045 / CI6099

Map By:
WS

Date:
3/13/02

UNIT 8 - PROSPECT AVE,
REDONDO BEACH

**State of California
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION**

**MONITORING AND REPORTING PROGRAM NO. CI-6099
for
LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
(West Coast Basin Barrier Project, Unit 8)
NPDES NO. CAG994005**

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- B. The first monitoring report under this Program is due by February 15, 2004. The annual summary report shall contain a discussion of the previous year's effluent monitoring data, as well as graphical and tabular summaries of the data. If there is no discharge during any reporting period, the report shall so state.
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- E. Before commencing a new discharge, a representative sample of the effluent shall be collected and analyzed for toxicity and for all the constituents listed in the Fact Sheet. The test results must meet all applicable discharge limitations. (This requirement is not necessary for existing discharge)

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 - 1. Monthly monitoring shall be increased to weekly monitoring.
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 - 3. Semi-annually monitoring shall be increased to quarterly.
 - 4. Annually monitoring shall be increased to semi-annually.

If three consecutive accelerated monitoring events demonstrate full compliance with effluent limits, then, the discharger may return to regular monitoring frequency, with the approval of the Executive Officer of the Regional Board.

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Constituent	Unit	Type of Sample	Minimum Frequency of Analysis
Total Waste Flow	gal/day	recorder	Continuously
pH	pH unit	grab	once per discharge event
Temperature	°F	grab	once per discharge event
Turbidity	NTU	grab	once per discharge event

Mr. Reza Izada
 LA County Department of Public Works
 (West Coast Basin Barrier Project, Unit 8)

CI-6099

Constituent	Unit	Type of Sample	Minimum Frequency of Analysis
Total Suspended Solids LAB	mg/L	grab	once per discharge event
BOD ₅ @ 20°C LAB	mg/L	grab	once per discharge event
Settleable Solids on site	ml/L	grab	once per discharge event
Residual chlorine LAB	mg/L	grab	once per discharge event
Acute Toxicity LAB	µg/L	grab	annually

TSS
BOD

IV. EFFLUENT TOXICITY TESTING

- A. The discharger shall conduct acute toxicity tests on 100% effluent grab samples by methods specified in 40 CFR Part 136 which cites USEPA's *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms*. October 2002, (EPA/821-R-02-012) or a more recent edition. Submission of bioassay results should include the information noted on pages 109-113 of the EPA/821-R-02-012 document.
- B. The fathead minnow, *Pimephales promelas*, shall be used as the test species for fresh water discharges and the topsmelt, *Atherinops affinis*, shall be used as the test species for brackish discharges. The method for topsmelt is found in USEPA's *Short Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Marine and Estuarine Organisms*, Third Edition, October 2002 (EPA/821-R-02-014).
- C. If the results of the toxicity test yields a survival of less than 90%, then the frequency of analyses shall increase to monthly until at least three test results have been obtained and full compliance with effluent limitations has been demonstrated, after which the frequency of analyses shall revert to annually. Results of toxicity tests shall be included in the first monitoring report following sampling.

V. GENERAL PROVISIONS FOR REPORTING

- A. The discharger shall inform this Regional Board 24 hours before the start of the discharge.
- B. All chemical, bacteriological, and toxicity analyses shall be conducted at a laboratory certified for such analyses by the California Department of Health Services Environmental laboratory Accreditation Program (ELAP) or approved by the Executive Officer. A copy of the laboratory certification shall be provided with the first monitoring report and each time a new and/or renewal is obtained from ELAP.

- C. Samples must be analyzed within allowable holding times as specified in 40 CFR Part 136.3. Proper chain of custody procedures must be followed and a copy shall be submitted with the report.
- D. As required in Part H.4 of order No. R4-2003-0108, the monitoring report shall specify the USEPA analytical method used, the method detection limit, and the minimum Level for each pollutant.

VI. COMPLIANCE DETERMINATION (AS APPLICABLE)

- A. Compliance with single constituent effluent limitation – If the concentration of the pollutant in the monitoring sample is greater than the effluent limitation and greater than or equal to the reported Minimum Level (see Monitoring and Reporting Requirement Section H.4 of Order No. R4-2003-0108), then the Discharger is out of compliance.
- B. Compliance with monthly average limitations - In determining compliance with monthly average limitations, the following provisions shall apply to all constituents:
 - a. If the analytical result of a single sample, monitored monthly, quarterly, semiannually, or annually, does not exceed the monthly average limit for that constituent, the Discharger has demonstrated compliance with the monthly average limit for that month.
 - b. If the analytical result of a single sample, monitored monthly, quarterly, semiannually, or annually, exceeds the monthly average limit for any constituent, the Discharger shall collect four additional samples at approximately equal intervals during the month. All five analytical results shall be reported in the monitoring report for that month, or 45 days after results for the additional samples were received, whichever is later.

When all sample results are greater than or equal to the reported Minimum Level (see Monitoring and Reporting Requirement Section H.4 of Order No. R4-2003-0108), the numerical average of the analytical results of these five samples will be used for compliance determination.

When one or more sample results are reported as "Not-Detected (ND)" or "Detected, but Not Quantified (DNQ)" (see Monitoring and Reporting Requirement Section H.4 of Order No. R4-2003-0108), the median value of these four samples shall be used for compliance determination. If one or both of the middle values is ND or DNQ, the median shall be the lower of the two middle values.

- c. In the event of noncompliance with a monthly average effluent limitation, the sampling frequency for that constituent shall be increased to weekly and shall continue at this level until compliance with the monthly average effluent limitation has been demonstrated.
 - d. If only one sample was obtained for the month or more than a monthly period and the result exceed the monthly average, then the Discharger is in violation of the monthly average limit.
- C. Compliance with effluent limitations expressed as a sum of several constituents -- If the sum of the individual pollutant concentrations is greater than the effluent limitation, then the Discharger is out of compliance. In calculating the sum of the concentrations of a group of pollutants, consider constituents reported as ND or DNQ to have concentrations equal to zero, provided that the applicable ML is used.
- D. Compliance with effluent limitations expressed as a median -- in determining compliance with a median limitation, the analytical results in a set of data will be arranged in order of magnitude (either increasing or decreasing order); and
- a. If the number of measurements (n) is odd, then the median will be calculated as $X_{(n+1)/2}$, or
 - b. If the number of measurements (n) is even, then the median will be calculated as $[X_{n/2} + X_{(n/2)+1}]$, i.e. the midpoint between the $n/2$ and $n/2+1$ data points.
- E. In calculating mass emission rates from the monthly average concentrations, use one half of the method detection limit for "Not Detected" (ND) and the estimated concentration for "Detected, but Not Quantified" (DNQ) for the calculation of the monthly average concentration. To be consistent with section VI.C., if all pollutants belonging to the same group are reported as ND or DNQ, the sum of the individual pollutant concentrations should be considered as zero for the calculation of the monthly average concentration.

VI. NOTIFICATION

- A. The discharger shall notify the Executive Officer in writing prior to discharge of any chemical that may be toxic to aquatic life. Such notification shall include:
- 1. Name and general composition of the chemical,
 - 2. Frequency of use,
 - 3. Quantities to be used,
 - 4. Proposed discharge concentrations, and
 - 5. EPA registration number, if applicable.

Mr. Reza Izada
LA County Department of Public Works
(West Coast Basin Barrier Project, Unit 8)


CI-6099

No discharge of such chemical shall be made prior to obtaining the Executive Officer's approval.

- B. The discharger shall notify the Regional Board via telephone and/or fax within 24 hours of noticing an exceedance above the effluent limits in Order No. R4-2003-0108. The discharger shall provide to the Regional Board within 14 days of observing the exceedance a detailed statement of the actions undertaken or proposed that will bring the discharge into full compliance with the requirements and submit a timetable for correction.

VII. MONITORING FREQUENCIES

Monitoring frequencies may be adjusted by the Executive Officer to a less frequent basis if the Discharger requests same and the request is backed by statistical trends of monitoring data submitted.

Ordered by: 
Dennis A. Dickerson
Executive Officer

Date: October 30, 2003

/jt



Winston H. Hickox
Secretary for
Environmental
Protection

California Regional Water Quality Control Board Los Angeles Region

Over 50 Years Serving Coastal Los Angeles and Ventura Counties
Recipient of the 2001 *Environmental Leadership Award* from Keep California Beautiful

320 W. 4th Street, Suite 200, Los Angeles, California 90013
Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: <http://www.swrcb.ca.gov/rwqcb4>



Gray Davis
Governor

October 30, 2003

Mr. Reza Izada
Water Resources Division
Los Angeles County DPW
900 S. Fremont Avenue
Alhambra, CA 91803-1331

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
CLAIM NO. 7002 2030 0006 2095 1050

Dear Mr. Izada:

CONTINUATION OF COVERAGE UNDER GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT AND WASTE DISCHARGE REQUIREMENTS - LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS, WEST COAST BASIN BARRIER PROJECT, UNIT 9, EL SEGUNDO BOULEVARD, EL SEGUNDO, CALIFORNIA (NPDES NO. CAG994005, CI-6778)

We have completed our review of your Notice of Intent (NOI) form, and analytical results of representative groundwater samples that you submitted in order to continue enrollment under the General NPDES Permit. Discharge of groundwater generated from redevelopment of the seawater intrusion barrier injection wells at the above-referenced site is currently regulated under NPDES General Permit No. CAG994001 (Order No. 97-045) adopted by this Regional Board on May 12, 1997.

Based on the information provided, we have determined that discharge of groundwater meets the conditions to be regulated under Order No. R4-2003-0108, *General National Pollutant Discharge Elimination System and Waste Discharge Requirements for Discharges of Groundwater from Potable Water Supply Wells to Surface Waters in Coastal Watersheds of Los Angeles and Ventura Counties*, adopted by this Board on August 7, 2003. Your existing enrollment under NPDES Permit No. CAG994001, Order No. 97-045, which was issued to you on June 30, 1997, is superseded by this new permit that terminated your coverage under Order No. 97-045.

Enclosed are your Waste Discharge Requirements, which also serve as your General NPDES Permit, consisting of Order No. R4-2003-0108 and revised Monitoring and Reporting Program No. CI-6778. The discharge limitations in Part E.1. of Order No. R4-2003-0108 for the specific constituents listed on the Fact Sheet are applicable to your discharge. Discharge from the project drains to a coastal stream of the Pacific Ocean, therefore, the discharge limitations in Attachment B are not applicable to your discharge.

The Monitoring and Reporting Program requires you to implement the monitoring program on the effective date of coverage under this permit. All monitoring reports should be sent to the Regional Board, ATTN: Information Technology Unit. When submitting monitoring or technical reports to the Regional Board per these requirements, please include a reference to "Compliance File No. CI-6778 and NPDES No. CAG994005", which will assure that the reports are directed to the

California Environmental Protection Agency

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption
For a list of simple ways to reduce demand and cut your energy costs, see the tips at: <http://www.swrcb.ca.gov/news/echallenge.html>



Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

Mr. Reza Izadi
LA County Department of Public Works
(West Coast Basin Barrier Project, Unit 9)

- 2 -

October 30, 2003

appropriate file and staff. Also, please do not combine your discharge monitoring reports with other reports. Submit each type of report as a separate document.

In order to avoid future annual fees, please submit written notification when the project has been completed and the permit is no longer needed.

We are sending Board Order No. R4-2002-0108 only to the applicant. For those on the mailing list, please refer to the Board Order previously sent to you. A copy of the Order will be furnished to anyone who requests it, or it can be obtained at our web site address: http://www.swrcb.ca.gov/~rwqcb4/html/permits/general_permits.html.

If you have any questions, please contact Dr. James Tang at (213) 576-6696.

Sincerely,



Dennis A. Dickerson
Executive Officer

Enclosures: Fact Sheet
Monitoring and Reporting Program No. 6778
Order No. R4-2003-0108, General NPDES Permit No. CAG994005

cc: Environmental Protection Agency, Region 9, Clean Water Act Standards and
Permits Office (WTR-5)
U.S. Army Corps of Engineers
NOAA, National Marine Fisheries Service
Department of Interior, U.S. Fish and Wildlife Service
James Maughan, Division of Water Quality, State Water Resources Control Board
Michael Lauffer, Office of the Chief Counsel, State Water Resources Control Board
California Department of Health Services, Drinking Water and Field Operations Branch
Department of Fish and Game, Region 5
Los Angeles County, Department of Public Works, Flood Control and Drainage
Los Angeles County, Department of Environmental Programs Division
City of El Segundo, Department of Public Works, Stormwater Management Division

/jt

California Environmental Protection Agency

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption
For a list of simple ways to reduce demand and cut your energy costs, see the tips at: <http://www.swrcb.ca.gov/news/echallenge.html>



Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

**State of California
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
320 West 4th Street, Suite 200, Los Angeles
FACT SHEET
WASTE DISCHARGE REQUIREMENTS
FOR
LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
(West Coast Basin Barrier Project, Unit 9)
NPDES NO. CAG994005
CI-6778**

FACILITY LOCATION

El Segundo Boulevard
El Segundo, CA 90278

FACILITY MAILING ADDRESS

900 S. Fremont Avenue
Alhambra, CA 91803-1331

PROJECT DESCRIPTION

The Los Angeles County Department of Public Works (LADPW) injects freshwater into the local drinking water aquifers to prevent seawater intrusion. LADPW periodically redevelops the injection wells and discharges the wastewater to the storm drain. Project Unit 9 is located at El Segundo in City of El Segundo. Well redevelopment water is stored in a 1,500 gallon capacity settling tank then transferred into a 5,000 gallon tank for final clarification and settling to remove solids and floating materials prior to discharge.

VOLUME AND DESCRIPTION OF DISCHARGE

LADPW conducts the well redevelopment approximately once every two years. Discharge during the well redevelopment typically lasts one to two weeks. Up to 144,000 gallons of groundwater is discharged to two storm drain outfalls. Outfall No. 01 and No. 02 are located at (Latitude 33°55' 10", Longitude 118° 23'47"), and (Latitude 33°54' 59", Longitude 118° 23'53"), respectively. Discharge to the storm drains flows to the L.A. County Flood Control Channel, thence to a coastal stream of the Pacific Ocean, a water of the United States. The site location and waste flow diagram are shown as Figures 1 & 2.

APPLICABLE EFFLUENT LIMITATIONS

Based on the information provided, the analytical data did not show reasonable potential for toxics to exist in groundwater above the Screening Levels for Potential Pollutants of Concern in Potable Groundwater in Attachment A. Therefore, the effluent limits for toxic compounds in Section E.2. are not applicable to the discharge. The discharge flows to a coastal stream of the Pacific Ocean; therefore, the discharge limitations in Attachment B are not applicable to the discharge.

This table lists the specific constituents and effluent limitations applicable to the discharge.

Constituents	Units	Discharge Limitations	
		Daily Maximum	Monthly Average
Total Suspended Solids	mg/L	150	50
Turbidity	NTU	150	50
BOD ₅ 20°C	mg/L	30	20
Settleable Solids	ml/L	0.3	0.1
Residual Chlorine	mg/L	0.1	—

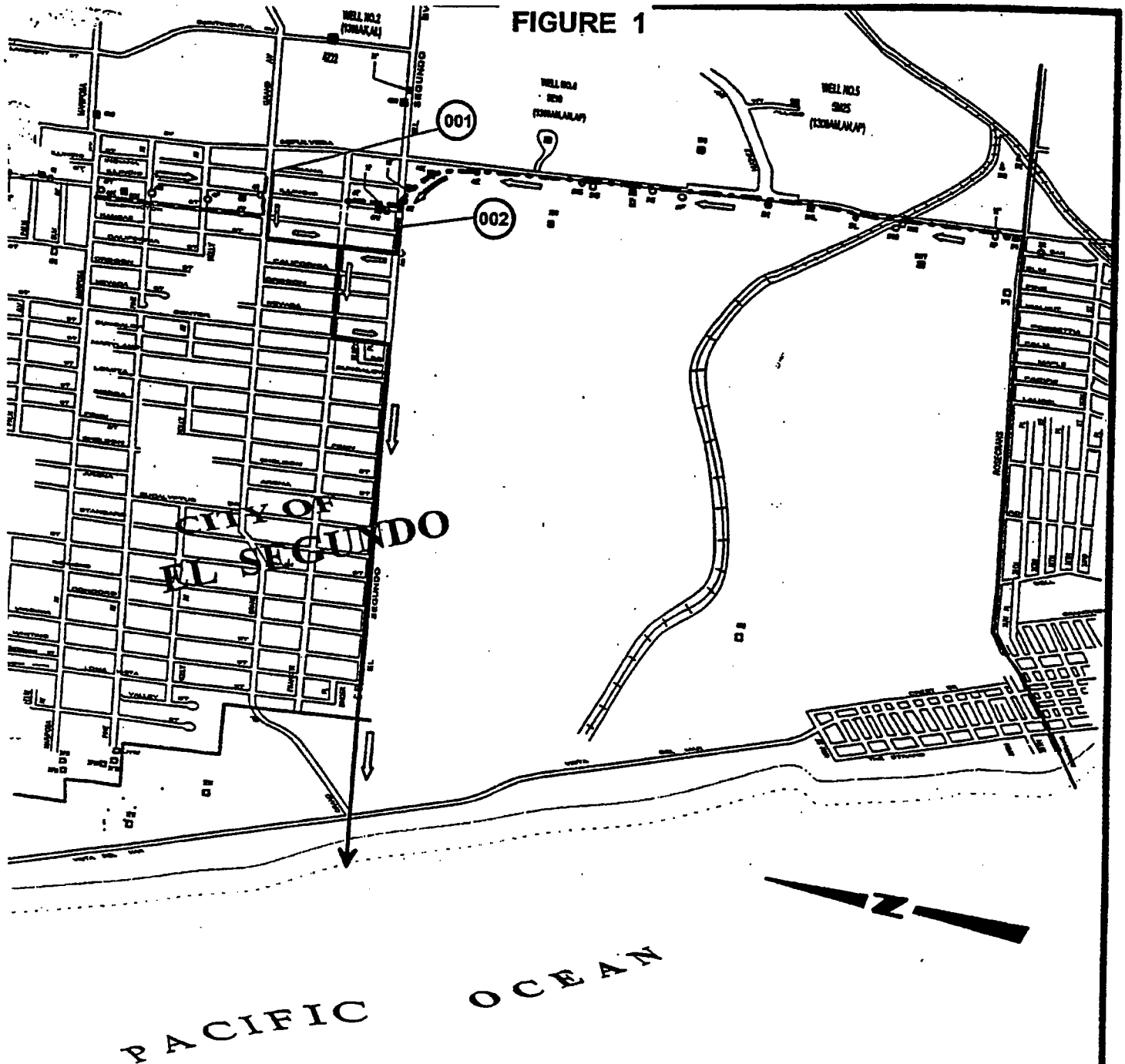
FREQUENCY OF DISCHARGE

The intermittent discharge occurs approximately once every two years.

REUSE OF WATER

There are no feasible reuse options because of the large volume of water that will be discharged over a short period of time. Therefore, the groundwater will be discharged to the stormdrain.

FIGURE 1



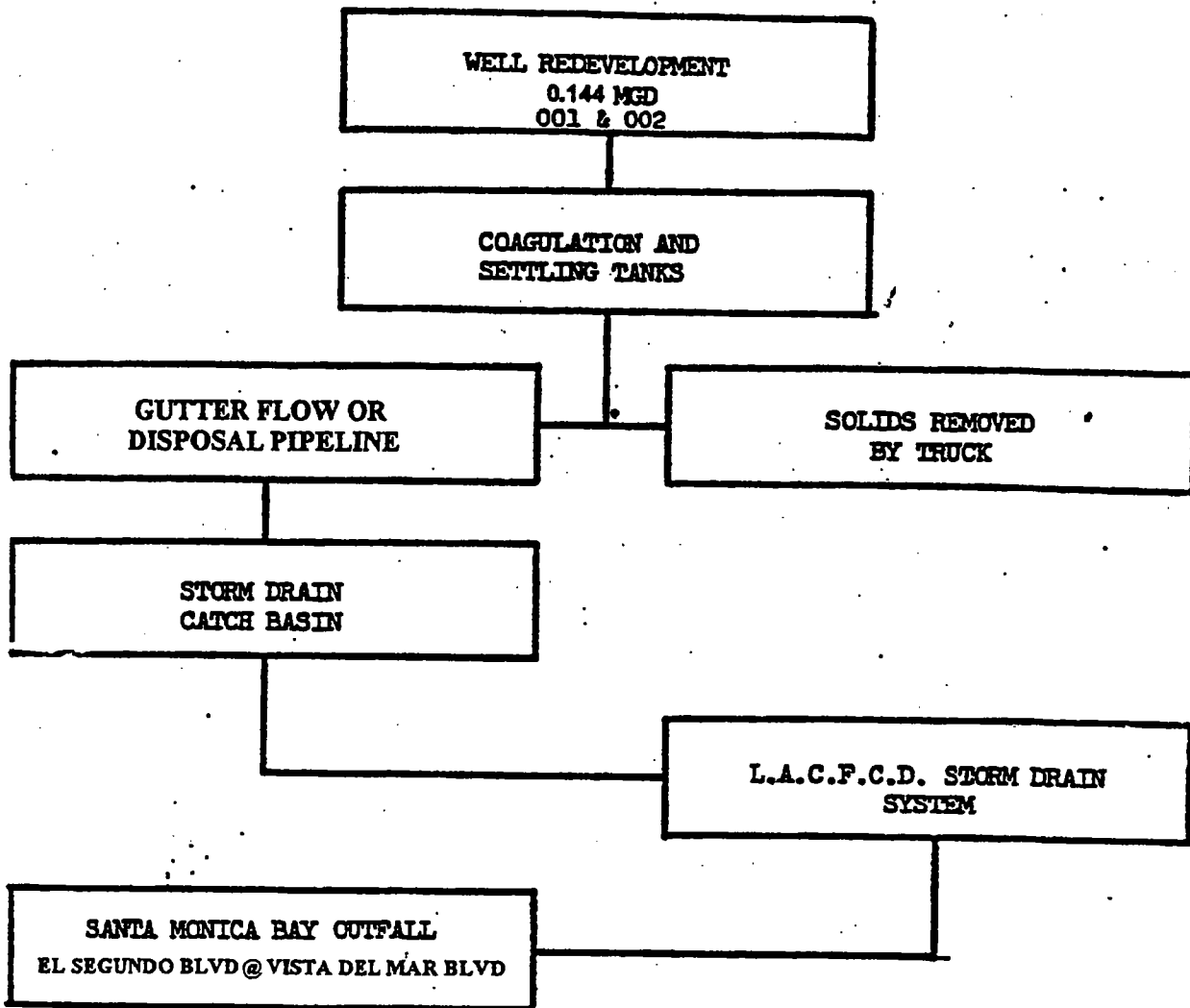
LEGEND

- OBSERVATION WELL
- MULTIPLE OBS. WELL
- ⊕ MAINLINE VALVE
- INJECTION WELL
- MULTIPLE INJECTION WELL
- △ PUMPING WELL (NOT ACTIVE)
- DISPOSAL PIPELINE
- - - GUTTER FLOW
- STORM DRAIN - STORM WATER TRANSPORT SYSTEM
- (N) NPDES - DISCHARGE SERIAL NUMBER



LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
WEST COAST BASIN BARRIER PROJECT
WELL LOCATIONS
UNIT 9 - EL SEGUNDO BLVD.
CITY OF EL SEGUNDO
NPDES -
CAG994061 / ORDER 97-
DRAWN BY: C. BERNHARDT

FIGURE 2



LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

**SCHEMATIC OF WATER FLOW
WEST COAST BASIN BARRIER PROJECT
CITY OF EL SEGUNDO
LOS ANGELES COUNTY, CALIFORNIA
WELL 4K TO WELL 5K
CAG994001 / ORDER No. 97-045 / CI4778**

Map By:

WS

Date:

3/13/02

**Unit 8 - El Segundo Blvd
City of El Segundo**

**State of California
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION**

**MONITORING AND REPORTING PROGRAM NO. CI-6778
for
LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
(West Coast Basin Barrier Project, Unit 9)
NPDES NO. CAG994005**

I. REPORTING REQUIREMENTS

- A. The discharger shall implement this monitoring program on the effective date of coverage under this permit. The discharger shall submit monitoring reports to this Regional Board by the dates in the following schedule:

<u>Reporting Period</u>	<u>Report Due</u>
January – March	May 15
April – June	August 15
July – September	November 15
October – December	February 15
Annual Summary Report	March 15

- B. The first monitoring report under this Program is due by February 15, 2004. The annual summary report shall contain a discussion of the previous year's effluent monitoring data, as well as graphical and tabular summaries of the data. If there is no discharge during any reporting period, the report shall so state.
- C. All monitoring reports shall include discharge limitations in the Order, tabulated analytical data, the chain of custody form, the analytical laboratory report (including, but not limited to: date and time of sampling, date of analyses, method of analysis, and detection limits), and discharge certification statement.
- D. Each monitoring report shall contain a separate section titled "Summary of Non-Compliance" which discusses the compliance record and corrective actions taken or planned that may be needed to bring the discharge into full compliance with waste discharge requirements. This section shall clearly list all non-compliance with waste discharge requirements, as well as all excursions of effluent limitations.
- E. Before commencing a new discharge, a representative sample of the effluent shall be collected and analyzed for toxicity and for all the constituents listed in the Fact Sheet. The test results must meet all applicable discharge limitations. (This requirement is not necessary for existing discharge)

II. SAMPLE COLLECTION REQUIREMENTS

- A. Daily samples shall be collected each day.
- B. Weekly samples shall be collected on a representative day of each week.
- C. Monthly samples shall be collected on a representative day of each month.
- D. Quarterly samples shall be collected in February, May, August, and November.
- E. Semi-annual samples shall be collected in May and November.
- F. Annual samples shall be collected in November.

III. EFFLUENT MONITORING REQUIREMENTS

- A. Sampling station(s) shall be established for each point of discharge and shall be located where representative samples of that effluent can be obtained. Provisions shall be made to enable visual inspection before discharge. In the event of presence of oil sheen, debris, and/or other objectionable materials or odors, discharge shall not commence until compliance with the requirements is demonstrated. All visual observations shall be included in the monitoring report.
- B. If monitoring results indicate an exceedance of a limit contained in Order No. R4-2003-0108, the discharge shall be terminated and shall only be resumed after remedial measures have been implemented and full compliance with the requirements has been ascertained.
- C. In addition, as applicable, following an effluent limit exceedance, the discharger shall implement the following accelerated monitoring program:
 - 1. Monthly monitoring shall be increased to weekly monitoring.
 - 2. Quarterly monitoring shall be increased to monthly monitoring, and
 - 3. Semi-annually monitoring shall be increased to quarterly.
 - 4. Annually monitoring shall be increased to semi-annually.

If three consecutive accelerated monitoring events demonstrate full compliance with effluent limits, then, the discharger may return to regular monitoring frequency, with the approval of the Executive Officer of the Regional Board.

- D. The following shall constitute the discharge monitoring program:

Constituent	Unit	Type of Sample	Minimum Frequency of Analysis
Total Waste Flow	gal/day	recorder	Continuously
pH	pH unit	grab	once per discharge event
Temperature	°F	grab	once per discharge event
Turbidity	NTU	grab	once per discharge event

Constituent	Unit	Type of Sample	Minimum Frequency of Analysis
Total Suspended Solids	mg/L	grab	once per discharge event
BOD ₅ @ 20°C	mg/L	grab	once per discharge event
Settleable Solids	ml/L	grab	once per discharge event
Residual chlorine	mg/L	grab	once per discharge event
Acute Toxicity	µg/L	grab	annually

IV. EFFLUENT TOXICITY TESTING

- A. The discharger shall conduct acute toxicity tests on 100% effluent grab samples by methods specified in 40 CFR Part 136 which cites USEPA's *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms*. October 2002, (EPA/821-R-02-012) or a more recent edition. Submission of bioassay results should include the information noted on pages 109-113 of the EPA/821-R-02-012 document.
- B. The fathead minnow, *Pimephales promelas*, shall be used as the test species for fresh water discharges and the topsmelt, *Atherinops affinis*, shall be used as the test species for brackish discharges. The method for topsmelt is found in USEPA's *Short Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Marine and Estuarine Organisms*, Third Edition, October 2002 (EPA/821-R-02-014).
- C. If the results of the toxicity test yields a survival of less than 90%, then the frequency of analyses shall increase to monthly until at least three test results have been obtained and full compliance with effluent limitations has been demonstrated, after which the frequency of analyses shall revert to annually. Results of toxicity tests shall be included in the first monitoring report following sampling.

V. GENERAL PROVISIONS FOR REPORTING

- A. The discharger shall inform this Regional Board 24 hours before the start of the discharge.
- B. All chemical, bacteriological, and toxicity analyses shall be conducted at a laboratory certified for such analyses by the California Department of Health Services Environmental laboratory Accreditation Program (ELAP) or approved by the Executive Officer. A copy of the laboratory certification shall be provided with the first monitoring report and each time a new and/or renewal is obtained from ELAP.

- C. Samples must be analyzed within allowable holding times as specified in 40 CFR Part 136.3. Proper chain of custody procedures must be followed and a copy shall be submitted with the report.
- D. As required in Part H.4 of order No. R4-2003-0108, the monitoring report shall specify the USEPA analytical method used, the method detection limit, and the minimum Level for each pollutant.

VI. COMPLIANCE DETERMINATION (AS APPLICABLE)

- A. Compliance with single constituent effluent limitation – If the concentration of the pollutant in the monitoring sample is greater than the effluent limitation and greater than or equal to the reported Minimum Level (see Monitoring and Reporting Requirement Section H.4 of Order No. R4-2003-0108), then the Discharger is out of compliance.
- B. Compliance with monthly average limitations - In determining compliance with monthly average limitations, the following provisions shall apply to all constituents:
 - a. If the analytical result of a single sample, monitored monthly, quarterly, semiannually, or annually, does not exceed the monthly average limit for that constituent, the Discharger has demonstrated compliance with the monthly average limit for that month.
 - b. If the analytical result of a single sample, monitored monthly, quarterly, semiannually, or annually, exceeds the monthly average limit for any constituent, the Discharger shall collect four additional samples at approximately equal intervals during the month. All five analytical results shall be reported in the monitoring report for that month, or 45 days after results for the additional samples were received, whichever is later.

When all sample results are greater than or equal to the reported Minimum Level (see Monitoring and Reporting Requirement Section H.4 of Order No. R4-2003-0108), the numerical average of the analytical results of these five samples will be used for compliance determination.

When one or more sample results are reported as "Not-Detected (ND)" or "Detected, but Not Quantified (DNQ)" (see Monitoring and Reporting Requirement Section H.4 of Order No. R4-2003-0108), the median value of these four samples shall be used for compliance determination. If one or both of the middle values is ND or DNQ, the median shall be the lower of the two middle values.

- c. In the event of noncompliance with a monthly average effluent limitation, the sampling frequency for that constituent shall be increased to weekly and shall continue at this level until compliance with the monthly average effluent limitation has been demonstrated.
 - d. If only one sample was obtained for the month or more than a monthly period and the result exceed the monthly average, then the Discharger is in violation of the monthly average limit.
- C. Compliance with effluent limitations expressed as a sum of several constituents – If the sum of the individual pollutant concentrations is greater than the effluent limitation, then the Discharger is out of compliance. In calculating the sum of the concentrations of a group of pollutants, consider constituents reported as ND or DNQ to have concentrations equal to zero, provided that the applicable ML is used.
- D. Compliance with effluent limitations expressed as a median – in determining compliance with a median limitation, the analytical results in a set of data will be arranged in order of magnitude (either increasing or decreasing order); and
- a. If the number of measurements (n) is odd, then the median will be calculated as $X_{(n+1)/2}$, or
 - b. If the number of measurements (n) is even, then the median will be calculated as $[X_{n/2} + X_{(n/2)+1}]$, i.e. the midpoint between the $n/2$ and $n/2+1$ data points.
- E. In calculating mass emission rates from the monthly average concentrations, use one half of the method detection limit for "Not Detected" (ND) and the estimated concentration for "Detected, but Not Quantified" (DNQ) for the calculation of the monthly average concentration. To be consistent with section VI.C., if all pollutants belonging to the same group are reported as ND or DNQ, the sum of the individual pollutant concentrations should be considered as zero for the calculation of the monthly average concentration.

VI. NOTIFICATION

- A. The discharger shall notify the Executive Officer in writing prior to discharge of any chemical that may be toxic to aquatic life. Such notification shall include:
- 1. Name and general composition of the chemical,
 - 2. Frequency of use,
 - 3. Quantities to be used,
 - 4. Proposed discharge concentrations, and
 - 5. EPA registration number, if applicable.

Mr. Reza Izada
LA County Department of Public Works
(West Coast Basin Barrier Project, Unit 9)

CI-6778

No discharge of such chemical shall be made prior to obtaining the Executive Officer's approval.

- B. The discharger shall notify the Regional Board via telephone and/or fax within 24 hours of noticing an exceedance above the effluent limits in Order No. R4-2003-0108. The discharger shall provide to the Regional Board within 14 days of observing the exceedance a detailed statement of the actions undertaken or proposed that will bring the discharge into full compliance with the requirements and submit a timetable for correction.

VII. MONITORING FREQUENCIES

Monitoring frequencies may be adjusted by the Executive Officer to a less frequent basis if the Discharger requests same and the request is backed by statistical trends of monitoring data submitted.

Ordered by: 
Dennis A. Dickerson
Executive Officer

Date: October 30, 2003

/jt

EXHIBIT F

TECHNICIAN

LEAF AMP S

page ___ of ___

Department of the Treasury

Internal Revenue Service

Notice 1015

(Rev. December 2003)

Have You Told Your Employees About the Earned Income Credit (EIC)?

What Is the EIC?

The EIC is a refundable tax credit for certain workers.

A change to note. Workers **cannot** claim the EIC if their 2003 investment income (such as interest and dividends) is over \$2,600.

Which Employees Must I Notify About the EIC?

You must notify each employee who worked for you at any time during the year and from whom you did not withhold income tax. However, you do not have to notify any employee who claimed exemption from withholding on **Form W-4**, Employee's Withholding Allowance Certificate.

Note: *You are encouraged to notify each employee whose wages for 2003 are less than \$34,692 that he or she may be eligible for the EIC.*

How and When Must I Notify My Employees?

You must give the employee one of the following:

- The IRS **Form W-2**, Wage and Tax Statement, which has the required information about the EIC on the back of **Copy B**.
- A substitute Form W-2 with the same EIC information on the back of the employee's copy that is on Copy B of the IRS Form W-2.
- **Notice 797**, Possible Federal Tax Refund Due to the Earned Income Credit (EIC).
- Your written statement with the same wording as Notice 797.

If you are required to give Form W-2 and do so on time, no further notice is necessary if the Form W-2 has the required information about the EIC on the back of the employee's copy. If a substitute Form W-2 is given on time but does not have the required information, you must notify the employee within 1 week of the date the substitute Form W-2 is given. If Form W-2 is required but is not given on time, you must give the employee Notice 797 or your written statement by the date Form W-2 is required to be given. If Form W-2 is not required, you must notify the employee by February 9, 2004.

You must hand the notice directly to the employee or send it by First-Class Mail to the employee's last known address. You will not meet the notification requirements by posting Notice 797 on an employee bulletin board or sending it through office mail. However, you may want to post the notice to help inform all employees of the EIC. You can get copies of the notice by calling 1-800-829-3676, or from the IRS website at www.irs.gov.

How Will My Employees Know If They Can Claim the EIC?

The basic requirements are covered in Notice 797. For more detailed information, the employee needs to see the 2003 instructions for Form 1040, 1040A, 1040EZ, or **Pub. 596**, Earned Income Credit (EIC).

How Do My Employees Claim the EIC?

Eligible employees claim the EIC on their 2003 tax return. Even employees who have no tax withheld from their pay or owe no tax can claim the EIC and get a refund, but they must file a tax return to do so. For example, if an employee has no tax withheld in 2003 and owes no tax but is eligible for a credit of \$791, he or she must file a 2003 tax return to get the \$791 refund.

How Do My Employees Get Advance EIC Payments?

Eligible employees who expect to have a qualifying child for 2004 can get part of the credit with their pay during the year by giving you a completed **Form W-5**, Earned Income Credit Advance Payment Certificate. You **must** include advance EIC payments with wages paid to these employees, but the payments are not wages and are not subject to payroll taxes. Generally, the payments are made from withheld income, social security, and Medicare taxes. For details, see **Circular E (Pub. 15)**, Employer's Tax Guide.

Notice 1015
(Rev. 12-2003)

**No shame.
No blame.
No names.**

**Newborns can be safely given up
at any Los Angeles County
hospital emergency room or fire station.**



In Los Angeles County:

1-877-BABY SAFE

1-877-222-9723

www.babysafela.org



State of California
Gray Davis, Governor

Health and Human Services Agency
Grantland Johnson, Secretary

Department of Social Services
Rita Saenz, Director



Los Angeles County Board of Supervisors

Gloria Molina, Supervisor, First District

Yvonne Brathwaite Burke, Supervisor, Second District

Zey Yaroslavsky, Supervisor, Third District

Don Knabe, Supervisor, Fourth District

Michael D. Antonovich, Supervisor, Fifth District

This initiative is also supported by First 5 LA and INFO LINE of Los Angeles.

What is the Safely Surrendered Baby Law?

California's Safely Surrendered Baby Law allows parents to give up their baby confidentially. As long as the baby has not been abused or neglected, parents may give up their newborn without fear of arrest or prosecution.

How does it work?

A distressed parent who is unable or unwilling to care for a baby can legally, confidentially and safely give up a baby within three days of birth. The baby must be handed to an employee at a Los Angeles County emergency room or fire station. As long as the child shows no signs of abuse or neglect, no name or other information is required. In case the parent changes his or her mind at a later date and wants the baby back, workers will use bracelets to help connect them to each other. One bracelet will be placed on the baby, and a matching bracelet will be given to the parent.

What if a parent wants the baby back?

Parents who change their minds can begin the process of reclaiming their newborns within 14 days. These parents should call the Los Angeles County Department of Children and Family Services at 1-800-540-4000.

Can only a parent bring in the baby?

In most cases, a parent will bring in the baby. The law allows other people to bring in the baby if they have legal custody.

Does the parent have to call before bringing in the baby?

No. A parent can bring in a baby anytime, 24 hours a day, 7 days a week so long as the parent gives the baby to someone who works at the hospital or fire station.

Does a parent have to tell anything to the people taking the baby?

No. However, hospital personnel will ask the parent to fill out a questionnaire designed to gather important medical history information, which is very useful in caring for the child. Although encouraged, filling out the questionnaire is not required.

What happens to the baby?

The baby will be examined and given medical treatment, if needed. Then the baby will be placed in a pre-adoptive home.

What happens to the parent?

Once the parent(s) has safely turned over the baby, they are free to go.

Why is California doing this?

The purpose of the Safely Surrendered Baby Law is to protect babies from being abandoned by their parents and potentially being hurt or killed. You may have heard tragic stories of babies left in dumpsters or public bathrooms. The parents who committed these acts may have been under severe emotional distress. The mothers may have hidden their pregnancies, fearful of what would happen if their families found out. Because they were afraid and had nowhere to turn for help, they abandoned their infants. Abandoning a baby puts the child in extreme danger. It is also illegal. Too often, it results in the baby's death. Because of the Safely Surrendered Baby Law, this tragedy doesn't ever have to happen in California again.

A baby's story

At 8:30 a.m. on Thursday, July 25, 2002, a healthy newborn baby was brought to St. Bernardine Medical Center in San Bernardino under the provisions of the California Safely Surrendered Baby Law. As the law states, the baby's mother did not have to identify herself. When the baby was brought to the emergency room, he was examined by a pediatrician, who determined that the baby was healthy and doing fine. He was placed with a loving family while the adoption process was started.

Every baby deserves a chance for a healthy life. If someone you know is considering abandoning a newborn, let her know there are other options.

It is best that women seek help to receive proper medical care and counseling while they are pregnant. But at the same time, we want to assure parents who choose not to keep their baby that they will not go to jail if they deliver their babies to safe hands in any Los Angeles County hospital ER or fire station.

Sin pena. Sin culpa. Sin peligro.

**Los recién nacidos pueden ser entregados
en forma segura en la sala de emergencia de
cualquier hospital o en un cuartel de bomberos
del Condado de Los Angeles.**



En el Condado de Los Angeles:

1-877-BABY SAFE

1-877-222-9723

www.babysafe-la.org



Estado de California
Gray Davis, Gobernador

Agencia de Salud y Servicios Humanos
(Health and Human Services Agency)
Grantland Johnson, Secretario

Departamento de Servicios Sociales
(Department of Social Services)
Rita Saenz, Directora



Consejo de Supervisores del Condado de Los Angeles

Gloria Molina, Supervisora, Primer Distrito

Yvonne Brathwaite Burke, Supervisora, Segundo Distrito

Zev Yaroslavsky, Supervisor, Tercer Distrito

Don Knabe, Supervisor, Cuarto Distrito

Michael D. Antonovich, Supervisor, Quinto Distrito

Esta iniciativa también está apoyada por First 5 LA y INFO LINE de Los Angeles.

¿Qué es la Ley de Entrega de Bebés Sin Peligro?

La Ley de Entrega de Bebés Sin Peligro de California permite a los padres entregar a su recién nacido confidencialmente. Siempre que el bebé no haya sufrido abuso ni negligencia, padres pueden entregar a su recién nacido sin temor a ser arrestados o procesados.

¿Cómo funciona?

El padre/madre con dificultades que no pueda o no quiera cuidar de su recién nacido puede entregarlo en forma legal, confidencial y segura, dentro de los tres días del nacimiento. El bebé debe ser entregado a un empleado de una sala de emergencias o de un cuartel de bomberos del Condado de Los Angeles. Siempre que el bebé no presente signos de abuso o negligencia, no será necesario suministrar nombres ni información alguna. Si el padre/madre cambia de opinión posteriormente y desea recuperar a su bebé, los trabajadores utilizarán brazaletes para poder vincularlos. El bebé llevará un brazaletes y el padre/madre recibirá un brazaletes igual.

¿Qué pasa si el padre/madre desea recuperar a su bebé?

Los padres que cambien de opinión pueden empezar el proceso de reclamar a su recién nacido dentro de los 14 días. Estos padres deberán llamar al Departamento de Servicios para Niños y Familias (Department of Children and Family Services) del Condado de Los Angeles, al 1-800-540-4000.

¿Sólo los padres podrán llevar al recién nacido?

En la mayoría de los casos, los padres son los que llevan al bebé. La ley permite que otras personas lleven al bebé si tienen la custodia legal del menor.

¿Los padres deben llamar antes de llevar al bebé?

No. El padre/madre puede llevar a su bebé en cualquier momento, las 24 horas del día, los 7 días de la semana, mientras que entregue a su bebé a un empleado del hospital o de un cuartel de bomberos.

¿Es necesario que el padre/madre diga algo a las personas que reciben al bebé?

No. Sin embargo, el personal del hospital le pedirá que llene un cuestionario con la finalidad de recabar antecedentes médicos importantes, que resultan de gran utilidad para los cuidados que recibirá el bebé. Es recomendado llenar este cuestionario, pero no es obligatorio hacerlo.

¿Qué ocurrirá con el bebé?

El bebé será examinado y, de ser necesario, recibirá tratamiento médico. Luego el bebé se entregará a un hogar preadoptivo.

¿Qué pasará con el padre/madre?

Una vez que los padres hayan entregado a su bebé en forma segura, serán libres de irse.

¿Por qué California hace esto?

La finalidad de la Ley de Entrega de Bebés Sin Peligro es proteger a los bebés del abandono por parte de sus padres y de la posibilidad de que mueran o sufran daños. Usted probablemente haya escuchado historias trágicas sobre bebés abandonados en basureros o en baños públicos. Es posible que los padres que cometieron estos actos hayan estado atravesando dificultades emocionales graves. Las madres pueden haber ocultado su embarazo, por temor a lo que pasaría si sus familias se enteraran. Abandonaron a sus recién nacidos porque tenían miedo y no tenían adonde recurrir para obtener ayuda. El abandono de un recién nacido lo pone en una situación de peligro extremo. Además es ilegal. Muy a menudo el abandono provoca la muerte del bebé. Ahora, gracias a la Ley de Entrega de Bebés Sin Peligro, esta tragedia ya no debe suceder nunca más en California.

Historia de un bebé

A las 8:30 a.m. del jueves 25 de julio de 2002, se entregó un bebé recién nacido saludable en el St. Bernardine Medical Center en San Bernardino, en virtud de las disposiciones de la Ley de Entrega de Bebés Sin Peligro. Como lo establece la ley, la madre del bebé no se tuvo que identificar. Cuando el bebé llegó a la sala de emergencias, un pediatra lo revisó y determinó que el bebé estaba saludable y no tenía problemas. El bebé fue ubicado con una buena familia, mientras se iniciaban los trámites de adopción.

**Cada recién nacido merece una
oportunidad de tener una vida saludable.
Si alguien que usted conoce está pensando
en abandonar a un recién nacido, infórmele
qué otras opciones tiene.**

Es mejor que las mujeres busquen ayuda para recibir atención médica y asesoramiento adecuado durante el embarazo. Pero al mismo tiempo, queremos asegurarles a los padres que optan por no quedarse con su bebé que no irán a la cárcel si dejan a sus bebés en buenas manos en cualquier sala de emergencia de un hospital o en un cuartel de bomberos del Condado de Los Angeles.



COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

900 SOUTH FREMONT AVENUE
ALHAMBRA, CALIFORNIA 91803-1331
Telephone: (626) 458-5100
www.ladpw.org

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1460
ALHAMBRA, CALIFORNIA 91802-1460

April 26, 2005

IN REPLY PLEASE

REFER TO FILE: **AS-0**

To Whom It May Concern:

REQUEST FOR PROPOSALS - ADDENDUM 1 INJECTION WELL REDEVELOPMENT SERVICES

Thank you for attending our mandatory Proposers' Conference on April 21, 2005, for "Injection Well Redevelopment Services." As a result of subsequent review of the Request for Proposals (RFP), we are providing the following:

1. Please add the **bold** to Exhibit A, Scope of Work, Section E.1.a., PREPARATION FOR REDEVELOPMENT (page A.3):
 - a. Two weeks' notice to the Agency requesting that wells targeted for development be shut off and the Agency disassemble the well head. No more than three (3) wells will be disassembled and placed out of operation at any time. Any redevelopment equipment placed at the site cannot interfere with equipment necessary to disassemble the well.

As described in the paragraph above, the Agency will disassemble the well head to the base plate once notification from the Contractor is received. The Contractor shall be responsible for removing the base plate which covers the well casing and any equipment attached from below such as eductor pipe, well measuring tubes, and pneumatic packers.

2. Please add the **bold** to Exhibit A, Scope of Work, Section E.2.1., REDEVELOPMENT OF INJECTION WELLS, General Work Description (page A.4):

Specific tasks not completely described in this section that are necessary or normally required as part of the redevelopment work described shall be performed by the Contractor as incidental work without extra cost to the Agency, as if fully described in this section.

READING FILE

To Whom It May Concern
April 26, 2005
Page 2

The expense of such work shall be included in the applicable price bid.

Redevelopment of the injection wells shall include the removal of the base plate and any equipment attached to the base plate from below such as eductor pipe, well measuring tubes, and pneumatic packers. Pneumatic packers on a number of required and optional injection wells exist. Upon completion of the redevelopment, the contractors shall be responsible to replace the equipment that was removed by them.

Please be reminded that the proposal submission deadline will continue to be **5:30 p.m., Thursday, April 28, 2005.**

If you have any questions regarding this information, please contact Ms. Susy Orellana at (626) 458-4077, Monday through Thursday, 7 a.m. to 5:30 p.m.

Very truly yours,

DONALD L. WOLFE
Acting Director of Public Works




DAWNNA B. LAWRENCE, Chief
Administrative Services Division

LO

P:\aspub\CONTRACT\SUSY\Injection Well Development Services\Addendum 1.doc

bc: Water Resources (Saunders, Sim)

VERIFICATION OF PROPOSAL

DATE: 4-28, 2005	THE UNDERSIGNED HEREBY DECLARES AS FOLLOWS:		
1. THIS DECLARATION IS GIVEN IN SUPPORT OF A PROPOSAL FOR A CONTRACT WITH THE COUNTY OF LOS ANGELES.			
2. NAME OF SERVICE: INJECTION WELL REVELOPMENT SERVICES			
DECLARANT INFORMATION			
3. NAME OF DECLARANT: ROBERT ERETH			
4. I AM DULY VESTED WITH THE AUTHORITY TO MAKE AND SIGN INSTRUMENTS FOR AND ON BEHALF OF THE PROPOSER(S).			
5. MY TITLE, CAPACITY OR RELATIONSHIP TO THE PROPOSER IS: GENERAL MANAGER			
PROPOSER INFORMATION			
6. Proposer's full legal name:	LAYNE CHRISTENSEN COMPANY		
7. Proposer's fictitious business name or dba (if any):	—		
8. The Proposer's form of business entity is (CHECK ONLY ONE):			
<input type="checkbox"/> Sole proprietor			
<input checked="" type="checkbox"/> A corporation:		Corporation's principal place of business: MISSION WOODS, KANSAS	
		State of incorporation: Delaware	
		President/CEO: ANDREW B. SCHMIDT	
		Secretary: JERRY W. FRANKA	
<input type="checkbox"/> A general partnership:		Names of partners: —	
<input type="checkbox"/> A limited partnership:		Name of general partner: —	
<input type="checkbox"/> A joint venture of:		Names of joint venturers: —	
<input type="checkbox"/> A limited liability company:		Name of managing member: —	
9. The only persons or firms interested in this proposal as principals are the following:			
Name(s) ROBERT ERETH	Title GENERAL MANAGER	Phone 909-390-2833	Fax 909-390-6097
Street 11001 Etiwanda Ave.	City Fontana	State California	Zip 92337
Name(s) Kevin Mossman	Title Senior Sales Eng.	Phone 909-390-2833	Fax 909-390-6097
Street 11001 Etiwanda Ave.	City Fontana	State California	Zip 92337
Name(s)	Title	Phone	Fax
Street	City	State	Zip
10. This proposal is made without collusion with any other person, firm, or corporation. The proposer has carefully examined the location of the proposed work, and is familiar with all of the physical and climatic conditions, and makes this bid solely upon the Proposer's own knowledge. The proposer has carefully examined the specifications, both general and detail, any drawings attached, and any additional communications sent and makes this proposal in accordance therewith. If this proposal is accepted, the proposer will enter into a written contract for the performance of the proposed work with the County of Los Angeles, accepting in full payment for work actually done the prices shown in the attached schedule. It is understood and agreed that the quantities set forth in the attached schedule and the Request for Proposals are but estimates, and that the unit prices will apply to the actual quantities, whatever they may be.			
<input checked="" type="checkbox"/> (1) I am making these representations on my personal knowledge;			
11. CHECK ONE: OR			
<input type="checkbox"/> (2) I am making these representations based on information and belief that they are true.			
I declare under penalty of perjury under the laws of California that the foregoing is true and correct.			
Signature of Proposer or Authorized Agent: 			
Type name and title:	ROBERT ERETH - BRANCH MANAGER		

**SCHEDULE OF PRICES
FOR
INJECTION WELL REDEVELOPMENT**

The undersigned Proposer offers to perform the work described in the Request for Proposals for the following price(s). The Proposer shall furnish all labor, materials, transportation, taxes, equipment and supplies unless stated otherwise in the Request for Proposals. It is understood and agreed that where quantities, if any, are set forth in the Schedule of Prices, they are but estimates, and that the unit prices quoted, if any, will apply to the actual quantities, whatever they may be.

<u>Required Wells</u>					
<u>ITEM</u>	<u>ITEM DESCRIPTION</u>	<u>UNIT</u>	<u>UNIT COST</u>	<u>NO. OF UNITS</u>	<u>TOTAL PRICE</u>
1.	Redevelop the perforated screen using the method specified on 28 REQUIRED WELLS	Linear Feet of Screen	232.00	3,438	\$ 797,616.00
2.	Redevelop the perforated screen using the method specified on 49 OPTIONAL WELLS	Linear Feet of Screen	232.00	7,610	\$ 1,765,520.00

TOTAL PROPOSED PRICE \$ 2,563,136.00

**COUNTY OF LOS ANGELES CONTRACTOR EMPLOYEE JURY SERVICE PROGRAM
APPLICATION FOR EXCEPTION AND CERTIFICATION FORM**

This contract is subject to the County of Los Angeles Contractor Employee Jury Service Program (Program) (Los Angeles County Code, Chapter 2.203). All contractors and subcontractors must complete this form to either (1) request an exception from the Program requirements or (2) certify compliance. Upon review of the submitted form, the County department will determine, in its sole discretion, whether the bidder or proposer is excepted from the Program.

Company Name: <u>LAYNE CHRISTENSEN COMPANY</u>			
Company Address: <u>11001 E. Wenden Ave.</u>			
City: <u>FONTANA, CA</u>	Zip Code: <u>92337</u>	State: <u>CA</u>	
Telephone Number: <u>909-390-2833</u>			
(Type of Goods or Services): <u>INJECTION WELL REDEVELOPMENT SERVICES</u>			

If you believe the Jury Service Program does not apply to your business, check the appropriate box in Part I (you must attach documentation to support your claim). If the Jury Service Program applies to your business, complete Part II to certify compliance with the Program. Whether you complete Part I or Part II, sign and date this form.


Part I: Jury Service Program Is Not Applicable to My Business

- ☐ My business does not meet the definition of "contractor," as defined in the Program as it has not received an aggregate sum of \$50,000 or more in any 12-month period under one or more County contracts or subcontracts (this exception is not available if the contract/purchase order itself will exceed \$50,000). I understand that the exception will be lost and I must comply with the Program if my revenues from the County exceed an aggregate sum of \$50,000 in any 12-month period.
- ☐ My business is a small business as defined in the Program. It 1) has ten or fewer employees; and, 2) has annual gross revenues in the preceding twelve months which, if added to the annual amount of this contract, are \$500,000 or less; and, 3) is not an affiliate or subsidiary of a business dominant in its field of operation, as defined below. I understand that the exemption will be lost and I must comply with the Program if the number of employees in my business and my gross annual revenues exceed the above limits.
- "Dominant in its field of operation" means having more than ten employees, including full-time and part-time employees, and annual gross revenues in the preceding twelve months, which, if added to the annual amount of the contract awarded, exceed \$500,000.
- "Affiliate or subsidiary of a business dominant in its field of operation" means a business which is at least 20 percent owned by a business dominant in its field of operation, or by partners, officers, directors, majority stockholders, or their equivalent, of a business dominant in that field of operation.
- ☐ My business is subject to a Collective Bargaining Agreement that expressly provides that it supersedes all provisions of the Program. **ATTACH THE AGREEMENT.**

Part II: Certification of Compliance

- ☒ My business has and adheres to a written policy that provides, on an annual basis, no less than five days of regular pay for actual jury service for full-time employees of the business who are also California residents, or my company will have and adhere to such a policy prior to award of the contract.

I declare under penalty of perjury under the laws of the State of California that the information stated above is true and correct.

Print Name: <u>ROBERT ERETH</u>	Title: <u>BRANCH MANAGER</u>
Signature: <u></u>	Date: <u>4/28/05</u>

CONTRACTOR'S INDUSTRIAL SAFETY RECORD

PROPOSED CONTRACT FOR: Sanitation - Dual Redevelopment Service by Proposer LAYNE CHRISTENSEN COMPANY
 PROPOSAL DATE: 4-28-05

This information must include all work undertaken in the State of California by the proposer and any partnership, joint venture or corporation that any principal of the proposer participated in as a principal or owner for the last five calendar years and the current calendar year prior to the date of proposal submitted. Separate information shall be submitted for each particular partnership, joint venture, corporate or individual proposer. The proposer may attach any additional information or explanation of data which the proposer would like taken into consideration in evaluating the safety record. An explanation must be attached to the circumstances surrounding any and all fatalities.

5 CALENDAR YEARS PRIOR TO CURRENT YEAR

	2000	2001	2002	2003	2004	Total	Current Year to Date
1. Number of contracts	829	688	881	736	1628	4,762	219
2. Total dollar amount of Contracts (in thousands of dollars)	22,779	20,259	23,970	31,354	35,713	134,075	12,882
3. No. of fatalities	0	0	0	1	0	1	0
4. No. of lost workday cases	32	16	17	29	25	119	4
5. No. of lost workday cases involving permanent transfer to another job or termination of employment	21	24	30	28	36	148	6
6. No. of lost workdays	1482	649	1370	1046	814	5,443	57

The above information was compiled from the records that are available to me at this time and I declare under penalty of perjury that the information is true and accurate within the limitations of those records.

4-28-05 ROBERT EKEITH
 Name of Proposer or Authorized Agent (print)

Robert Ekeith
 Signature

Attachment

LAYNE CHRISTENSEN COMPANY FATALITY HISTORY

May 6, 2003

Drill rig mast failed and toppled over striking employee.

As a preventative action all drill rigs similar to this type have been inspected to ensure structural stability. OSHA conducted an investigation and Layne received a citation for failure to inspect at 36L cable tool rig.

CONFLICT OF INTEREST CERTIFICATION

I, ROBERT ERETH☐ sole owner☐ general partner☒ managing member☐ President, Secretary, or other proper title) GENERAL MANAGERof LAYNE CHRISTENSEN COMPANY

Name of proposer

make this certification in support of a proposal for a contract with the County of Los Angeles for services within the scope of Los Angeles County Code Section 2.180.010, which provides as follows:

Contracts Prohibited. A. Notwithstanding any other section of this code, the county shall not contract with, and shall reject any bid or proposal submitted by, the persons or entities specified below, unless the board of supervisors finds that special circumstances exist which justify the approval of such contract.

1. Employees of the county or of public agencies for which the board of supervisors is the governing body;
2. Profit-making firms or businesses in which employees described in subdivision 1 of Subsection A serve as officers, principals, partners, or major shareholders;
3. Persons who, within the immediately preceding 12 months, came within the provisions of subdivision 1 of subsection A, and who:
 - (a) Were employed in positions of substantial responsibility in the area of service to be performed by the contract; or
 - (b) Participated in any way in developing the contract of its service specifications; and
4. Profit-making firms or businesses in which the former employees described in subdivision 3 of subsection A, serve as officers, principals, partners, or major shareholders.

I hereby certify I am informed and believe that personnel who developed and/or participated in the preparation of this contract do not fall within scope of Code Section 2.180.010 as cited above. Furthermore, that no County employee whose position in the County enables him/her to influence the award of this contract, or any competing contract, and no spouse or economic dependent of such employee is or shall be employed in any capacity by the Contractor herein, or has or shall have any direct or indirect financial interest in this contract. I understand and agree that any falsification in this Certificate will be grounds for rejection of this Proposal and cancellation of any contract awarded pursuant to this Proposal.

I certify under penalty of perjury under the laws of California that the foregoing is true and correct.

Signed Robert A. ErethDate 4/28/05

PROPOSER'S REFERENCE LIST

PROPOSED CONTRACT FOR: INJECTION WELL REDEVELOPMENT SERVICES

Provide a comprehensive reference list of all contracts for goods and/or services provided by the Proposer during the previous three years. Please verify all contact names, telephone, and fax numbers before listing. Incorrect names, telephone, or fax numbers will be disregarded. Use additional pages if required.

A. COUNTY OF LOS ANGELES AGENCIES. - L.A. Co. D.P.W. - ^{ANNUAL} LAYNE CONTRACT # 1480
 All contracts with the County during the previous three years must be listed. 1480

SERVICE: <u>Water Well Pump</u>	DATES: <u>10/04</u>
DEPT/DISTRICT: <u>Sanitation</u>	
CONTACT: <u>John Eelman - Dave Frediani</u>	
TELEPHONE: <u>310 - 830 - 2400</u>	
FAX: <u>N/A</u>	

SERVICE: <u>Drilling well</u>	DATES: <u>2001 - 2002</u>
DEPT/DISTRICT: <u>LADWP</u>	
CONTACT: <u>MR. Saied</u>	
TELEPHONE: <u>213 - 367 - 1119</u>	
FAX: <u>213 - 367 - 1128</u>	

SERVICE: <u>Well Work</u>	DATES: <u>Annual</u>
DEPT/DISTRICT: <u>LADWP Contract # 943</u>	
CONTACT: <u>Gonzalo A. Reyes 944</u>	
TELEPHONE: <u>213 - 367 - 1052</u>	
FAX: <u>N/A</u>	

SERVICE: <u>99th Street Wells</u>	DATES: <u>2002</u>
DEPT/DISTRICT: <u>Water Replenishment Dist. - LADWP</u>	
CONTACT: <u>Jim Shurker</u>	
TELEPHONE: <u>714 - 547 - 5413</u>	
FAX: <u>N/A</u>	

B. OTHER GOVERNMENTAL AGENCIES AND PRIVATE COMPANIES

SERVICE: <u>Well Rehab</u>	DATES: <u></u>
AGENCY/FIRM: <u>City of Adelanto</u>	
ADDRESS: <u>P.O. Box 10, Adelanto, CA 92301</u>	
CONTACT: <u>JACK STODOLSKY</u>	
TELEPHONE: <u>760 - 559 - 1650</u>	
FAX: <u>760 - 246 - 3242</u>	

SERVICE: <u>Well Rehab</u>	DATES: <u>2003-04-05</u>
AGENCY/FIRM: <u>Archdiocese of Los Angeles</u>	
ADDRESS: <u>3424 Wilshire Blvd., L.A., CA</u>	
CONTACT: <u>George Harsch</u>	
TELEPHONE: <u>213 - 637 - 7817</u>	
FAX: <u>213 - 637 - 6800</u>	

SERVICE: <u>Well Rehab</u>	DATES: <u>2003-04-05</u>
AGENCY/FIRM: <u>Holy Cross Cemetery</u>	
ADDRESS: <u>5835 W. Slanson Ave., Culver City, CA</u>	
CONTACT: <u>Maria Orozco</u>	
TELEPHONE: <u>310 - 466 - 7084</u>	
FAX: <u>310 - 836 - 3560</u>	

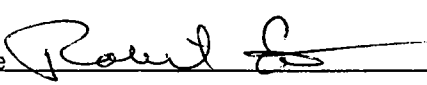
SERVICE: <u>Well Rehab</u>	DATES: <u>6/04</u>
AGENCY/FIRM: <u>City of Arcadia</u>	
ADDRESS: <u>11800 Goldring Rd., Arcadia, CA 91006</u>	
CONTACT: <u>Lubo Tomaine</u>	
TELEPHONE: <u>626 - 256 - 6572</u>	
FAX: <u>626 - 359 - 7028</u>	

PROPOSER'S EQUAL EMPLOYMENT OPPORTUNITY CERTIFICATION

Proposer's Name	LAYNE CHRISTENSEN COMPANY
Address	11001 Etiwanda Avenue, Fontana, CA 92337
Internal Revenue Service Employer Identification Number	48-0920712

In accordance with Los Angeles County Code Section 4.32.010, the Proposer certifies and agrees that all persons employed by it, its affiliates, subsidiaries, or holding companies are and will be treated equally by the firm without regard to or because of race, religion, ancestry, national origin, or sex and in compliance with all anti-discrimination laws of the United States of America and the State of California.

1.	The proposer has a written policy statement prohibiting any discrimination in all phases of employment.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
2.	The proposer periodically conducts a self- analysis or utilization analysis of its work force.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
3.	The proposer has a system for determining if its employment practices are discriminatory against protected groups.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
4.	Where problem areas are identified in employment practices, the proposer has a system for taking reasonable corrective action to include establishment of goals and timetables.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO

Authorized representative	ROBERT ERETH	
Signature		Date 4-28-05

LIST OF SUBCONTRACTORS

The proposer is required to fill in the following blanks in accordance with the provisions of the Subletting and Subcontracting Fair Practices Act (Chapter 2 of Division 5, Title 1 of the Government Code of the State of California) and should be familiar with Section 2-3 of the Standard Specifications.

Subcontractors listed in accordance with the provisions of Section 2-3 must be properly licensed under the laws of the State of California for the type of work which they are to perform, **AND THEIR LICENSE NUMBERS MUST BE LISTED HEREIN.** Failure to do so may result in delay of the award of contract. Do not list alternate subcontractors for the same work.

Name under which Sub-contractor is licensed	License Number	Address	Specific Description of Subcontract work
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[illegible]

FORM PW-9

County of Los Angeles
Request for Local Small Business Enterprise (SBE) Preference Program Consideration and
SBE Firm/Organization Information Form

All proposers responding to the Request for Proposals must complete and return this form for proper consideration of the proposal.

I. LOCAL SMALL BUSINESS ENTERPRISE PREFERENCE PROGRAM:

FIRM NAME: <u>LAYNE CHRISTENSEN COMPANY</u>	
<input checked="" type="checkbox"/> I AM NOT	A Local SBE certified by the County of Los Angeles Office of Affirmative Action Compliance as of the date of this proposal/bid's submission.
<input type="checkbox"/> I AM	
<input type="checkbox"/> As an eligible Local SBE, I request this proposal/bid be considered for the Local SBE Preference.	
My County (WebVen) Vendor Number:	

II. FIRM/ORGANIZATION INFORMATION: The information requested below is for statistical purposes only. On final analysis and consideration of award, contractor/vendor will be selected without regard to race/ethnicity, color, religion, sex, national origin, age, sexual orientation or disability.

Business Structure:	<input type="checkbox"/> Sole Proprietorship	<input type="checkbox"/> Partnership	<input checked="" type="checkbox"/> Corporation	<input type="checkbox"/> Nonprofit	<input type="checkbox"/> Franchise	
<input type="checkbox"/> Other (Please Specify):						
Total Number of Employees (including owners): <u>219</u>						
Race/Ethnic Composition of Firm. Please distribute the above total number of individuals into the following categories:						
Race/Ethnic Composition	Owners/Partners/ Associate Partners		Managers		Staff	
	Male	Female	Male	Female	Male	Female
Black/African American	<u>N/A - Public</u>				<u>2</u>	
Hispanic/Latino			<u>2</u>		<u>92</u>	<u>3</u>
Asian or Pacific Islander			<u>1</u>		<u>4</u>	
American Indian					<u>7</u>	
Filipino						
White			<u>14</u>	<u>1</u>	<u>87</u>	<u>6</u>

III. PERCENTAGE OF OWNERSHIP IN FIRM: Please indicate by percentage (%) how ownership of the firm is distributed. N/A - Public

	Black/African American	Hispanic/Latino	Asian or Pacific Islander	American Indian	Filipino	White
Men	%	%	%	%	%	%
Women	%	%	%	%	%	%

IV. CERTIFICATION AS MINORITY WOMEN, DISADVANTAGED, AND DISABLED VETERAN BUSINESS ENTERPRISES: If your firm is currently certified as a minority, women, disadvantaged or disabled veteran owned business enterprise by a public agency, complete the following and attach a copy of your proof of certification. (Use back of form, if necessary.)

Agency Name	Minority	Women	Disadvantaged	Disabled Veteran	Expiration Date
<u>N/A - Public</u>					

V. DECLARATION: I DECLARE UNDER PENALTY OF PERJURY UNDER THE LAWS OF THE STATE OF CALIFORNIA THAT THE ABOVE INFORMATION IS TRUE AND CORRECT.

Authorized Signature: <u>Timothy R. Piller</u>	Title: <u>HR Supervisor</u>	Date: <u>5/6/05</u>
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GAIN/GROW EMPLOYMENT COMMITMENT

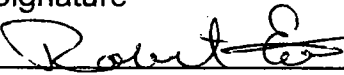
The undersigned:

- ☐ has hired participants from the County's Department of Social Services' Greater Avenue for Independence (GAIN) and/or General Relief Opportunity for Work (GROW) employment programs.

OR

- ☒ declares a willingness to consider GAIN/GROW participants for any future employment opening if participant(s) meet the minimum qualification for that opening, and

declares a willingness to provide employed GAIN/GROW participants access to proposer's employee mentoring program(s), if available, to assist those individuals in obtaining permanent employment and/or promotional opportunities.

Signature 	Title BRANCH MANAGER
Firm Name LAYNE CHRISTENSEN Co.	Date 4-28-05

Award information has not been added at this time.

Bid Information

Bid Number : PW-ASD 250

Bid Title : INJECTION WELL REDEVELOPMENT SERVICES

Bid Type : Service

Department : Public Works

Commodity : WELL SERVICES (INCLUDING OIL, GAS, AND WATER): DRILLING, PLUGGING, CONSULTING, MAINTENANCE, REPAIR, ETC.

Open Date : 4/14/2005

Closing Date : 4/28/2005 5:30 PM

Notice of Intent to Award : [View Detail](#)

Bid Amount : \$ 500,000

Bid Download : Not Available

Bid Description : PLEASE TAKE NOTICE that Public Works requests proposals for a contract for "Injection Well Redevelopment Services." The total cost of this service is estimated to be \$500,000. Proposers must meet all minimum requirements set forth in the Request for Proposals (RFP) document. If not enclosed with this notice, the RFP with contract specifications, forms, and instructions for preparing and submitting proposals may be requested from Ms. Libia Susy Orellana at (626) 458 4077, Monday through Thursday, 7 a.m. to 5 p.m.

A Proposers Conference will be held Thursday April 21, 2005, at 2:30 p.m. at Public Works Headquarters, 900 South Fremont Avenue, Alhambra, California 91803, in Conference Room C. ATTENDANCE BY THE PROPOSER OR AN AUTHORIZED REPRESENTATIVE IS MANDATORY. Public Works will reject proposals from those whose attendance cannot be verified. Attendees should be prepared to ask questions at that time about the specifications, proposal requirements, and contract terms. After the Conference, it may be impossible to respond to further requests for information. The deadline to submit proposals is Thursday, April 28, 2005, at 5:30 p.m. Please direct your questions to Ms. Orellana at the number above.

The conference facility complies with the Americans with Disabilities Act (ADA). With four business days' notice, Public Works will make all reasonable efforts to provide information in alternate formats and other accommodations for people with disabilities. For the ADA Coordinator, please call (626) 458 4081 or TDD at (626) 282 7829, Monday through Thursday, 7 a.m. to 5:30 p.m.

Contact Name : Susy Orellana

Contact Phone# : (626) 458-4077

Contact Email : lorellana@ladpw.org

Last Changed On : 4/18/2005 9:40:16 AM

[Back to Last Window](#)

[Back to Award Main](#)

County of Los Angeles
Request for Local Small Business Enterprise (SBE) Preference Program Consideration and
CBE Firm/Organization Information Form

All proposers responding to the Request for Proposals must complete and return this form for proper consideration of the proposal.

I. LOCAL SMALL BUSINESS ENTERPRISE PREFERENCE PROGRAM:

FIRM NAME: <u>LAYNE CHRISTENSEN COMPANY</u>	
<input checked="" type="checkbox"/> I AM NOT	A Local SBE certified by the County of Los Angeles Office of Affirmative Action Compliance as of the date of this proposal/bid's submission.
<input type="checkbox"/> I AM	
<input type="checkbox"/> As an eligible Local SBE, I request this proposal/bid be considered for the Local SBE Preference.	
My County (WebVen) Vendor Number:	

II. FIRM/ORGANIZATION INFORMATION: The information requested below is for statistical purposes only. On final analysis and consideration of award, contractor/vendor will be selected without regard to race/ethnicity, color, religion, sex, national origin, age, sexual orientation or disability.

Business Structure:	<input type="checkbox"/> Sole Proprietorship	<input type="checkbox"/> Partnership	<input checked="" type="checkbox"/> Corporation	<input type="checkbox"/> Nonprofit	<input type="checkbox"/> Franchise	
<input type="checkbox"/> Other (Please Specify):						
Total Number of Employees (including owners): <u>219</u>						
Race/Ethnic Composition of Firm. Please distribute the above total number of individuals into the following categories:						
Race/Ethnic Composition	Owners/Partners/Associate Partners		Managers		Staff	
	Male	Female	Male	Female	Male	Female
Black/African American	<u>N/A - Public</u>				<u>2</u>	
Hispanic/Latino			<u>2</u>		<u>92</u>	<u>3</u>
Asian or Pacific Islander			<u>1</u>		<u>4</u>	
American Indian					<u>7</u>	
Filipino						
White			<u>14</u>	<u>1</u>	<u>87</u>	<u>6</u>

III. PERCENTAGE OF OWNERSHIP IN FIRM: Please indicate by percentage (%) how ownership of the firm is distributed. N/A - Public

	Black/African American	Hispanic/Latino	Asian or Pacific Islander	American Indian	Filipino	White
Men	%	%	%	%	%	%
Women	%	%	%	%	%	%

IV. CERTIFICATION AS MINORITY, WOMEN, DISADVANTAGED, AND DISABLED VETERAN BUSINESS ENTERPRISES: If your firm is currently certified as a minority, women, disadvantaged or disabled veteran owned business enterprise by a public agency, complete the following and attach a copy of your proof of certification. (Use back of form, if necessary.)

Agency Name	Minority	Women	Disadvantaged	Disabled Veteran	Expiration Date
<u>N/A - Public</u>					

V. DECLARATION: I DECLARE UNDER PENALTY OF PERJURY UNDER THE LAWS OF THE STATE OF CALIFORNIA THAT THE ABOVE INFORMATION IS TRUE AND CORRECT.

Authorized Signature: <u>Timothy R. Pith</u>	Title: <u>HR Supervisor</u>	Date: <u>5/6/05</u>
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County of Los Angeles
Request for Local Small Business Enterprise (SBE) Preference Program Consideration and
SBE Firm/Organization Information Form

All proposers responding to the Request for Proposals must complete and return this form for proper consideration of the proposal.

I. LOCAL SMALL BUSINESS ENTERPRISE PREFERENCE PROGRAM:

FIRM NAME: <u>General Pump Company Inc</u>	
<input type="checkbox"/> I AM NOT	A Local SBE certified by the County of Los Angeles Office of Affirmative Action Compliance as of the date of this proposal/bid's submission.
<input checked="" type="checkbox"/> I AM	
<input type="checkbox"/> As an eligible Local SBE, I request this proposal/bid be considered for the Local SBE Preference.	
My County (WebVen) Vendor Number:	

II. **FIRM/ORGANIZATION INFORMATION:** The information requested below is for statistical purposes only. On final analysis and consideration of award, contractor/vendor will be selected without regard to race/ethnicity, color, religion, sex, national origin, age, sexual orientation or disability.

Business Structure:		<input type="checkbox"/> Sole Proprietorship	<input type="checkbox"/> Partnership	<input checked="" type="checkbox"/> Corporation	<input type="checkbox"/> Nonprofit	<input type="checkbox"/> Franchise
<input type="checkbox"/> Other (Please Specify):						
Total Number of Employees (including owners): 30						
Race/Ethnic Composition of Firm: Please distribute the above total number of individuals into the following categories:						
	Owner/Shareholder/Partner	Manager	Supervisor	Staff		
Black/African American						
Hispanic/Latino			2		5	
Asian or Pacific Islander						
American Indian						
Filipino					1	
White	1				16	5

III. PERCENTAGE OF OWNERSHIP IN FIRM: Please indicate by percentage (%) how ownership of the firm is distributed.

	Black/African American	Hispanic/Latino	Asian or Pacific Islander	American Indian	Filipino	White
Men	%	%	%	%	%	100 %
Women	%	%	%	%	%	%

IV. CERTIFICATION AS MINORITY, WOMEN, DISADVANTAGED, AND DISABLED VETERAN BUSINESS ENTERPRISES: If your firm is currently certified as a minority, women, disadvantaged or disabled veteran owned business enterprise by a public agency, complete the following and attach a copy of your proof of certification. (Use back of form, if necessary.)

Agency Name	Minority	Women	Disparaged	Disabled Veteran	Expiration Date

V. **DECLARATION: I DECLARE UNDER PENALTY OF PERJURY UNDER THE LAWS OF THE STATE OF CALIFORNIA THAT THE ABOVE INFORMATION IS TRUE AND CORRECT.**

Authorized Signature: 	Title: <u>Director of Engineering</u>	Date: <u>4/27/05</u>
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